SONY®

DIGITAL VIDEO CAMERA

DXC-D30WS
DXC-D30WSP

SERVICE MANUAL

Vol. 2 (1st Edition)

Power HAD WS

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer’s instructions.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

ATTENTION

Il y a danger d’explosion s’il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d’un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

MANUAL STRUCTURE

Introducing this manual

This manual is the Service Manual Vol. 2 of the DIGITAL VIDEO CAMERA DXC-D30WS and DXC-D30WSP.
This manual contains the following items.

Related manuals

In addition to this Service Manual Vol. 2, the following manuals are provided.

- **Service Manual Vol. 1**
  Part No. 9-977-326-11
  Contains the operation manual related to the operations of this equipment, the replacement of the parts and adjustments.

- **Service Manual DXF-701/701CE/701WS/701WSCE**
  Part No. 9-977-265-02
  See the DXF-701/701CE/701WS/701WSCE service manual available separately.

- **Service Manual VCT-U14**
  Part No. 9-977-221-01
  See the VCT-U14 service manual available separately.

- **Service Manual VCL-918BY**
  Part No. 9-977-329-01
  See the VCL-918BY service manual available separately.

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SECTION 4
SEMICONDUCTOR PIN ASSIGNMENTS

ここに記載されている半導体は，それぞれの機能を等価的に表したものです。　なお，互換性のない型名を併記していることがありますので，部品を交換するときは，Spare Partsの章を参照してください。
等価回路はICメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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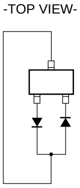
DIODE, TRANSISTOR

DIODE



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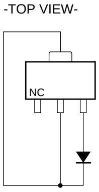

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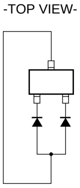

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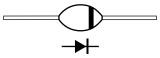
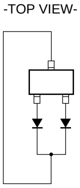


U05G



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MA132WK-TX
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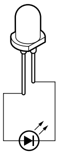
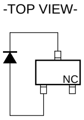


MPG3371X-150 ; GREEN
MPR3371X-150 ; RED



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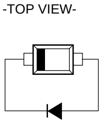
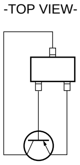


RD2.0UH-T1
RD2.4UH-T1
RD4.3UH-T1

TRANSISTOR



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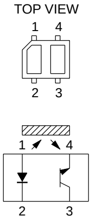
TOP VIEW
1
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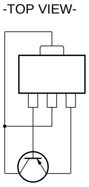
3

NJL5183KA-F20-TE1



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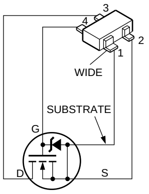
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SUBSTRATE
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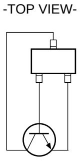
D
S

SST211



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2SC4176-T1B34
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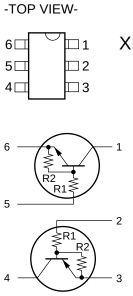
2SC4178-T1F13
2SD596T1-DV345


-TOP VIEW-
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R2
R1
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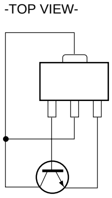
R1
R2
4
3

XN4312-TW



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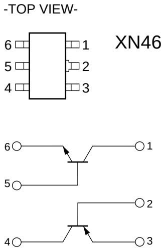
-TOP VIEW-
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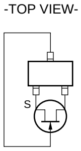
XN4601-TW



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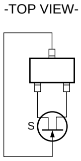

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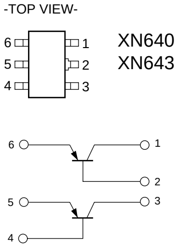
-TOP VIEW-
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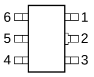
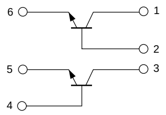
XN6401-TW
XN6435-TW

-TOP VIEW-



XN6501-TW
XN6534-TW

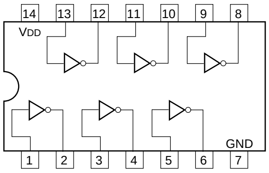


IC

74AC04SJX (NS)FLAT PACKAGE
SN74HC04APW-E05 (TI)FLAT PACKAGE
TC74VHC04FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS HEX INVERTERS

-TOP VIEW-


14
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VDD
GND
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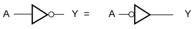


$Y = \overline{A}$

A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

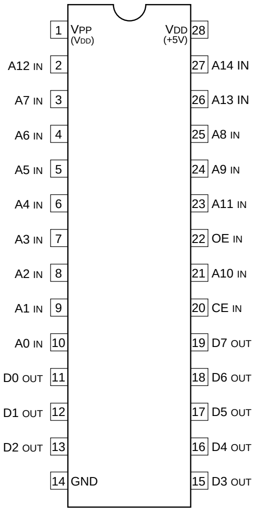
NOTE:

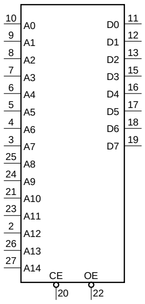
TYPE	VDD
74AC/74VHC/74VHCT	+2 to +5.5V
74ACT/74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
OTHER TYPE	+2 to +6V

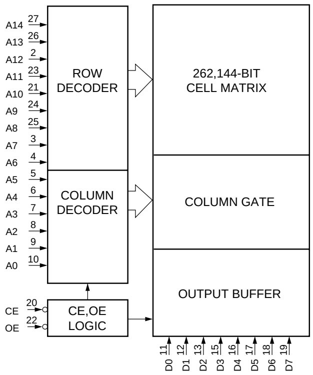
AT27C256R-15RC (ATMEL)

C-MOS 256K (32K × 8)-BIT UV ERASABLE FROM WITH 3-STATE OUTPUTS

-TOP VIEW-


1 VPP (VDD)
A12 IN 2
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
A2 IN 8
A1 IN 9
A0 IN 10
D0 OUT 11
D1 OUT 12
D2 OUT 13
14 GND
VDD (+5V) 28
27 A14 IN
26 A13 IN
25 A8 IN
24 A9 IN
23 A11 IN
22 OE IN
21 A10 IN
20 CE IN
19 D7 OUT
18 D6 OUT
17 D5 OUT
16 D4 OUT
15 D3 OUT


10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
26 A13
27 A14
D0 11
D1 12
D2 13
D3 15
D4 16
D5 17
D6 18
D7 19
CE 20
OE 22


A14 27
A13 26
A12 2
A11 23
A10 21
A9 24
A8 25
A7 3
A6 4
A5 5
A4 6
A3 7
A2 8
A1 9
A0 10
ROW DECODER
COLUMN DECODER
262,144-BIT CELL MATRIX
COLUMN GATE
OUTPUT BUFFER
CE 20
OE 22
CE,OE LOGIC
11 D0
12 D1
13 D2
15 D3
16 D4
17 D5
18 D6
19 D7

A0–A14	;	ADDRESS INPUTS
CE	;	CHIP ENABLE INPUT
D0–D7	;	DATA OUTPUTS
OE	;	OUTPUT ENABLE INPUT
VPP	;	PROGRAM POWER SUPPLY

An	CE	OE	VDD	Vpp	Dn	FUNCTION
An	0	0	+5V	+5V	D OUT	READ
An	0	1	+5V	+5V	HI–Z	OUTPUT DISABLE
×	1	×	+5V	+5V	HI–Z	STANDBY
An	0	1	+6V	+12.5V	D IN	PGM
An	1	0	+6V	+12.5V	D OUT	PGM VERIFY (1)
An	0	0	+6V	+12.5V	D OUT	PGM VERIFY (2)
×	1	1	+6V	+12.5V	HI–Z	PGM INH
AO	0	0	+5V	+5V	DEVICE CODE	ELECTRONIC SIGNATURE*

O : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI–Z : HIGH IMPEDANCE

∗ SEE FOLLOWING DESCRIPTION

ELECTRONIC SIGNATURE FOR P ROM WRITER

ADDRESS SETTINGS IN READ MODE

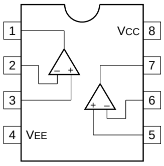
A1 – A8	A9	A10 – A13	A14, Vpp
0	12V	0	1

	AO	CODE DATA								
		D7	D6	D5	D4	D3	D2	D1	D0	
MAKER CODE	0	0	0	0	0	0	1	0	0	04H
DEVICE CODE	1	0	1	1	0	0	0	1	0	62H

BA10358F-E2 (ROHM)FLAT PACKAGE
UPC358G2-E2 (NEC)FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER (HIGH GAIN)

-TOP VIEW-


1
2
3
4
VCC
VEE
8
7
6
5
– +
+ –

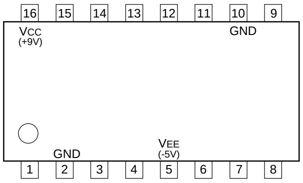
NOTE

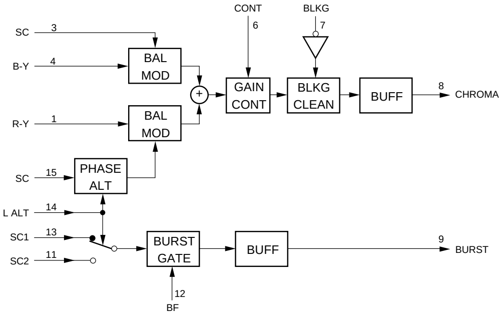
	VCC	VEE
SINGLE SUPPLY	+3 to +32V	GND
SPLIT SUPPLIES	+1.5 to +16V	–1.5 to –16V

CX22017-TH (SONY)

VIDEO SIGNAL PROCESSOR

-TOP VIEW-

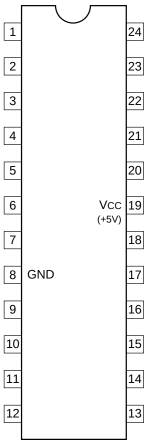

16 15 14 13 12 11 10 9
VCC (+9V)
GND
GND
VEE (-5V)
1 2 3 4 5 6 7 8

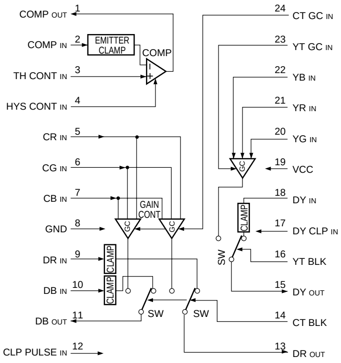

SC 3
B-Y 4
R-Y 1
SC 15
L ALT 14
SC1 13
SC2 11
BAL MOD
BAL MOD
PHASE ALT
CONT 6
BLKG 7
GAIN CONT
BLKG CLEAN
BUFF
8 CHROMA
BURST GATE
BUFF
9 BURST
12 BF

CXA1393AN-T4 (SONY)

TITLE INSERT IC FOR CAMERA

–TOP VIEW–

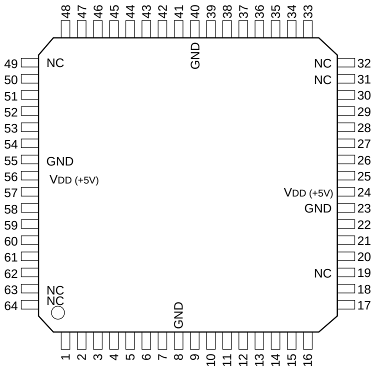

1 2 3 4 5 6 7 8 9 10 11 12
24 23 22 21 20 19 18 17 16 15 14 13
VCC (+5V)
GND


COMP OUT 1
COMP IN 2
TH CONT IN 3
HYS CONT IN 4
CR IN 5
CG IN 6
CB IN 7
GND 8
DR IN 9
DB IN 10
DB OUT 11
CLP PULSE IN 12
24 CT GC IN
23 YT GC IN
22 YB IN
21 YR IN
20 YG IN
19 VCC
18 DY IN
17 DY CLP IN
16 YT BLK
15 DY OUT
14 CT BLK
13 DR OUT
EMITTER CLAMP
COMP
GAIN CONT
GC
GC
GC
CLAMP
CLAMP
CLAMP
SW
SW
SW

CXD1095AR (SONY)

C-MOS I/O EXPANDER

–TOP VIEW–


48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
NC
GND
GND
VDD (+5V)
NC
NC
NC
NC
VDD (+5V)
GND
NC
GND

(VDD = +5V)

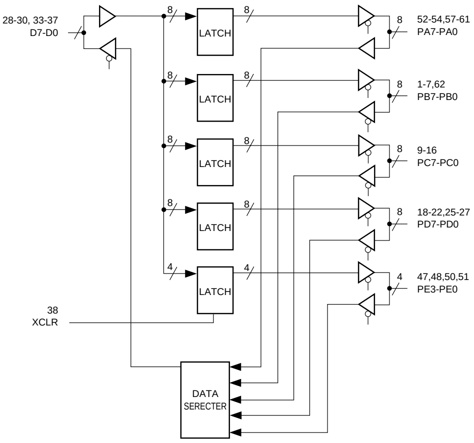
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	PB1	17	I/O	NC	33	I/O	D3	49	—	NC
2	I/O	PB2	18	I/O	PD0	34	I/O	D4	50	I/O	PE2
3	I/O	PB3	19	I/O	PD1	35	I/O	D5	51	I/O	PE3
4	I/O	PB4	20	I/O	PD2	36	I/O	D6	52	I/O	PA0
5	I/O	PB5	21	I/O	PD3	37	I/O	D7	53	I/O	PA1
6	I/O	PB6	22	I/O	PD4	38	I	XCLR	54	I/O	PA2
7	I/O	PB7	23	—	GND	39	I	XDIS	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I/O	PC0	25	I/O	PD5	41	I	XWR	57	I/O	PA3
10	I/O	PC1	26	I/O	PD6	42	I	XRD	58	I/O	PA4
11	I/O	PC2	27	I/O	PD7	43	I	XCS	59	I/O	PA5
12	I/O	PC3	28	I/O	D0	44	I	A0	60	I/O	PA6
13	WO	PC4	29	I/O	D1	45	I	A1	61	I/O	PA7
14	I/O	PC5	30	I/O	D2	46	I	A2	62	I/O	PB0
15	I/O	PC6	31	—	NC	47	I/O	PE0	63	—	NC
16	I/O	PC7	32	—	NC	48	I/O	PE1	64	—	NC

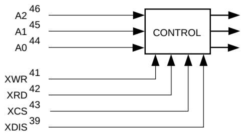
INPUT

A0-A3	; ADDRESS INPUT
XCLR	; CLEAR
XCS	; CHIP SELECT
XDIS	; DISABLE
XRD	; READ
XWR	; WRITE

INPUT/OUTPUT

DO-7	; DATA BUS
PA0-A7	; I/O PORT 1
PB0-B7	; I/O PORT 2
PC0-C7	; I/O PORT 3
PD0-D7	; I/O PORT 4
PE0-E7	; I/O PORT 5

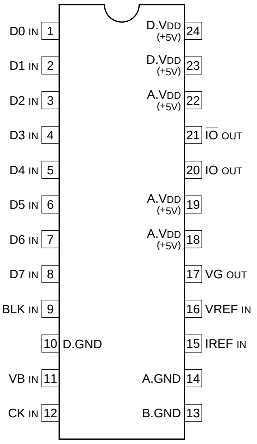

28-30, 33-37
D7-D0
LATCH
LATCH
LATCH
LATCH
LATCH
8
4
52-54,57-61
PA7-PA0
1-7,62
PB7-PB0
9-16
PC7-PC0
18-22,25-27
PD7-PD0
47,48,50,51
PE3-PE0
38
XCLR
DATA SERECTER

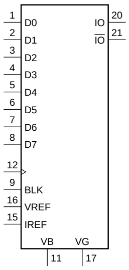

A2 46
A1 45
A0 44
XWR 41
XRD 42
XCS 43
XDIS 39
CONTROL

CXD1171M-TH (SONY)FLAT PACKAGE

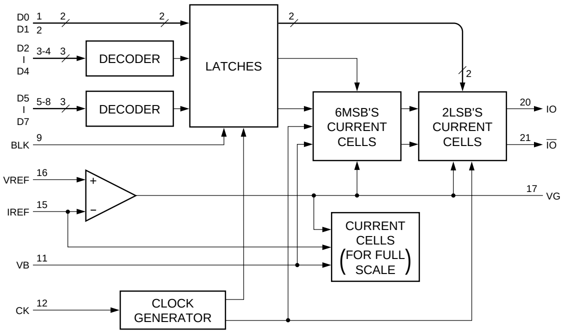
C-MOS 8-BIT D/A CONVERTER

-TOP VIEW-


D0 IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
BLK IN 9
10 D.GND
VB IN 11
CK IN 12
24 D.VDD (+5V)
23 D.VDD (+5V)
22 A.VDD (+5V)
21 IO OUT
20 IO OUT
19 A.VDD (+5V)
18 A.VDD (+5V)
17 VG OUT
16 VREF IN
15 IREF IN
14 A.GND
13 B.GND


1 D0
2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
12
9 BLK
16 VREF
15 IREF
VB 11
VG 17
IO 20
IO 21

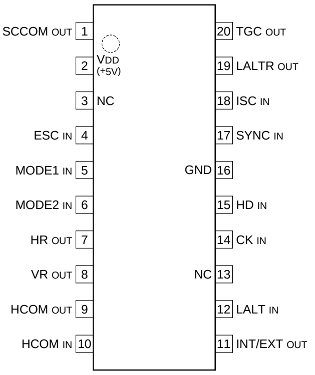
CK ; CLOCK INPUT
BLK ; BLANKING PULSE INPUT
D0-7 ; DIGITAL DATA INPUT
IO ; CURRENT OUTPUT
IO ; INVERT CURRENT OUTPUT
IREF ; CURRENT REFERENCE INPUT
VB,VG ; FOR CAPACITOR
VREF ; VOLTAGE REFERENCE INPUT

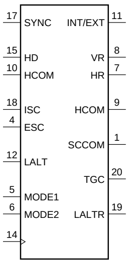

D0 1
D1 2
D2 3-4
D4
D5 5-8
D7
BLK 9
VREF 16
IREF 15
VB 11
CK 12
DECODER
DECODER
LATCHES
6MSB'S CURRENT CELLS
2LSB'S CURRENT CELLS
CURRENT CELLS (FOR FULL SCALE)
CLOCK GENERATOR
20 IO
21 IO
17 VG

CXD1216M-TH (SONY)FLAT PACKAGE

C-MOS GENLOCK DRIVER

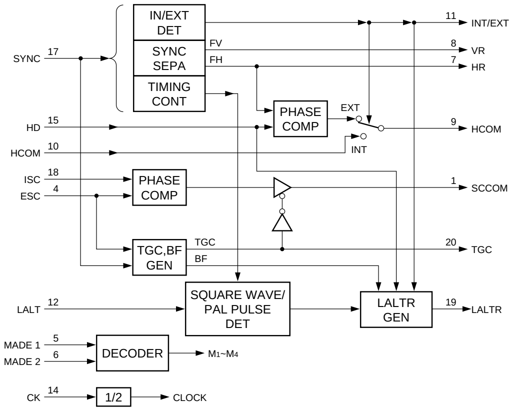
-TOP VIEW-


SCCOM OUT 1
2 VDD (+5V)
3 NC
ESC IN 4
MODE1 IN 5
MODE2 IN 6
HR OUT 7
VR OUT 8
HCOM OUT 9
HCOM IN 10
20 TGC OUT
19 LALTR OUT
18 ISC IN
17 SYNC IN
GND 16
15 HD IN
14 CK IN
NC 13
12 LALT IN
11 INT/EXT OUT


17 SYNC
15 HD
10 HCOM
18 ISC
4 ESC
12 LALT
5 MODE1
6 MODE2
14
INT/EXT 11
VR 8
HR 7
HCOM 9
SCCOM 1
TGC 20
LALTR 19

INPUT		MODE	SYSTEM
MODE1	MODE2		
0	0	M1	PAL-VBS
1	0	M2	PALM-VBS
0	1	M3	PAL,SECAM-VS/SC/LALT
1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

0 ; LOW LEVEL
1 ; HIGH LEVEL


SYNC 17
HD 15
HCOM 10
ISC 18
ESC 4
LALT 12
MADE 1 5
MADE 2 6
CK 14
IN/EXT DET
SYNC SEPA
TIMING CONT
FV
FH
PHASE COMP
EXT
INT
PHASE COMP
TGC,BF GEN
TGC
BF
SQUARE WAVE/ PAL PULSE DET
LALTR GEN
DECODER
M1~M4
1/2
CLOCK
11 INT/EXT
8 VR
7 HR
9 HCOM
1 SCCOM
20 TGC
19 LALTR

INPUT

CK ; 4fsc CLOCK INPUT
ESC ; SC/COLOR BURST
HCOM ; PHASE COMPARATE FROM CXD1217
HD ; H DRIVE FROM CXD1217
ISC ; SUBCARRIER FROM CXD1217
LALT ; LALT FROM REFERENCE SIGNAL GENERATOR
MODE1,2 ; SYSTEM SELECT
SYNC ; SYNC FROM REFERENCE SIGNAL GENERATOR

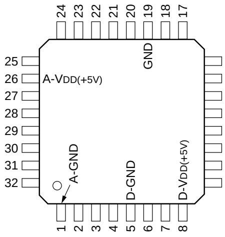
OUTPUT

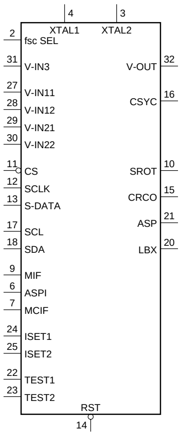
HCOM ; PHASE COMPARATOR HR WITH HD
HR ; fH OF SYNC SEPARATE
INT/EXT ; INTERNAL/EXTERNAL SPECIFIED
LALTR ; LINE CHANGE RESET
SCCOM ; PHASE COMPARATOR ESC WITH ISC
TGC ; TRISTATE CONTROL
VR ; fV OF SYNC SEPARATE

CXD2131Q-T6 (SONY)

C-MOS VIDEO ADDITIONAL DATA (ASPECT RATIO IDENTIFICATION) ENCODER/DECODER

—TOP VIEW—


A-VDD(+5V)
GND
A-GND
D-GND
D-VDD(+5V)


fsc SEL
XTAL1
XTAL2
V-IN3
V-OUT
V-IN11
V-IN12
V-IN21
V-IN22
CSYC
CS
SROT
SCLK
S-DATA
CRCO
SCL
ASP
SDA
LBX
MIF
ASPI
MCIF
ISET1
ISET2
TEST1
TEST2
RST

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	A-GND	17	I	SCL
2	I	fsc SEL	18	I/O	SDA
3	O	XTAL2	19	—	D-GND
4	I	XTAL1	20	O	LBX
5	—	D-GND	21	O	ASP
6	I	ASPI	22	I	TEST1
7	I	MCIF	23	I	TEST2
8	—	D-VDD	24	I	ISET1
9	I	MIF	25	I	ISET2
10	I/O	SROT	26	—	A-VDD
11	I	$\overline{\text{CS}}$	27	I	V-IN11
12	I	SCLK	28	I	V-IN12
13	I	S-DATA	29	I	V-IN21
14	I	$\overline{\text{RST}}$	30	I	V-IN22
15	O	CRCO	31	I	V-IN3
16	O	CSYC	32	O	V-OUT

INPUT

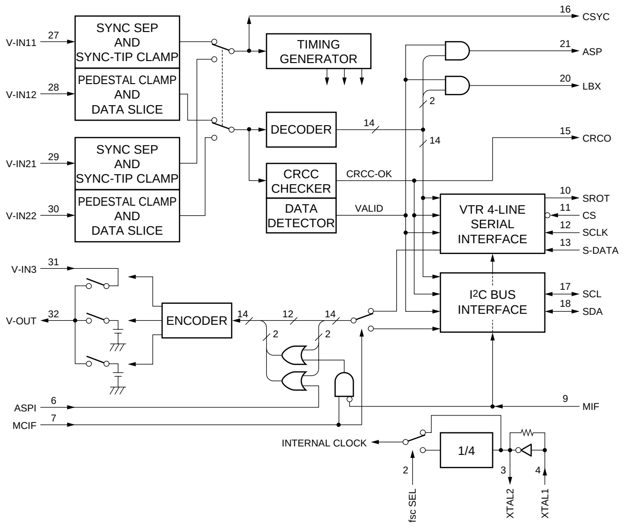
ASPI	; ASPECT SELECT (H = 16 : 9, L = 4 : 3)
$\overline{\text{CS}}$	; CHIP SELECT
fsc SEL	; fsc/4fsc SELECT
ISET1, ISET2	; ANALOG BIAS CURRENT SETTING
MCIF	; MICROCOMPUTER INTERFACE SELECT (L = I^{2}C, H = SERIAL)
MIF	; MICROCOMPUTER INTERFACE SELECT (L = EXIST, H = NONE)
$\overline{\text{RST}}$	; RESET
SCL	; I^{2}C BUS CLOCK
SCLK	; CLOCK
S-DATA	; SERIAL DATA
TEST1, TEST2	; FOR TEST
V-IN11	; SYNC SEP INPUT
V-IN12	; DECODE DATA SLICER INPUT
V-IN21	; SYNC SEP INPUT
V-IN22	; DECODE DATA SLICER INPUT
V-IN3	; ENCODE INPUT
XTAL1	; CRYSTAL OSCILLATOR

OUTPUT

ASP	; ASPECT (H = 16 : 9, L = 4 : 3)
CRCO	; CRCC CHECK MONITORING
CSYC	; COMPOSITE SYNC MONITORING
LBX	; LETTER BOX (H = LETTER BOX, L = NORMAL)
V-OUT	; ENCODE OUTPUT
XTAL2	; CRYSTAL OSCILLATOR

INPIUT/OUTPUT

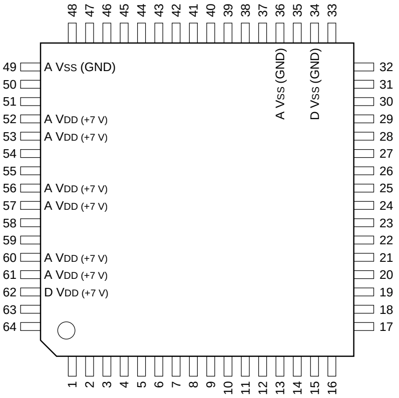
SDA	; I^{2}C BUS DATA
SROT	; SERIAL INTERFACE OUTPUT TO THE MICROCOMPUTER

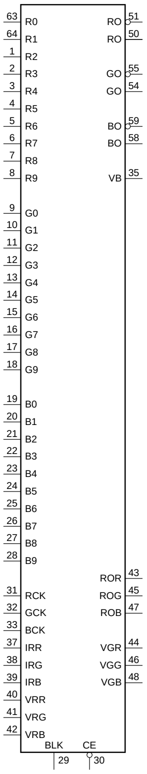

V-IN11
V-IN12
V-IN21
V-IN22
V-IN3
V-OUT
ASPI
MCIF
SYNC SEP AND SYNC-TIP CLAMP
PEDESTAL CLAMP AND DATA SLICE
SYNC SEP AND SYNC-TIP CLAMP
PEDESTAL CLAMP AND DATA SLICE
TIMING GENERATOR
DECODER
CRCC CHECKER
DATA DETECTOR
CRCC-OK
VALID
ENCODER
VTR 4-LINE SERIAL INTERFACE
I2C BUS INTERFACE
1/4
INTERNAL CLOCK
CSYC
ASP
LBX
CRCO
SROT
CS
SCLK
S-DATA
SCL
SDA
MIF
fsc SEL
XTAL2
XTAL1

CXD2307R-T4 (SONY)FLAT PACKAGE

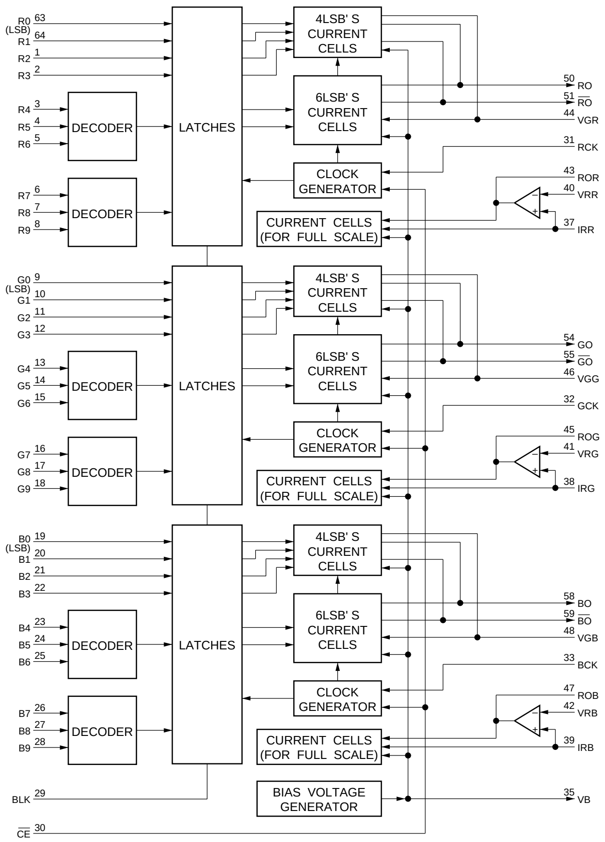
C-MOS 10-BIT 50MSPS RGB 3CHANNEL D/A CONVERTER

— TOP VIEW —


A VSS (GND)
A VDD (+7 V)
A VDD (+7 V)
A VDD (+7 V)
A VDD (+7 V)
A VDD (+7 V)
A VDD (+7 V)
D VDD (+7 V)
A VSS (GND)
D VSS (GND)


R0
R1
R2
R3
R4
R5
R6
R7
R8
R9
G0
G1
G2
G3
G4
G5
G6
G7
G8
G9
B0
B1
B2
B3
B4
B5
B6
B7
B8
B9
RCK
GCK
BCK
IRR
IRG
IRB
VRR
VRG
VRB
BLK
CE
RO
RO
GO
GO
BO
BO
VB
ROR
ROG
ROB
VGR
VGG
VGB

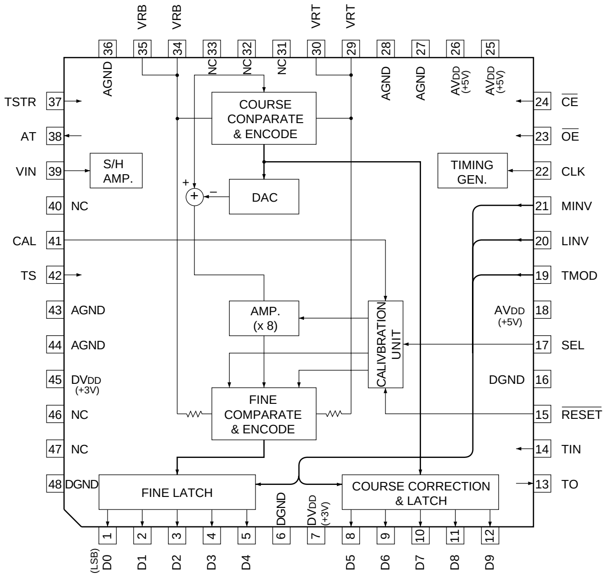
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	R2	17	I	G8	33	I	BCK	49	—	AVSS
2	I	R3	18	I	G9	34	—	DVSS	50	O	RO
3	I	R4	19	I	B0 (LSB)	35	O	VB	51	O	$\overline{\text{RO}}$
4	I	R5	20	I	B1	36	—	AVSS	52	—	AVDD
5	I	R6	21	I	B2	37	I	IRR	53	—	AVDD
6	I	R7	22	I	B3	38	I	IRG	54	O	GO
7	I	R8	23	I	B4	39	I	IRB	55	O	$\overline{\text{GO}}$
8	I	R9	24	I	B5	40	I	VRR	56	—	AVDD
9	I	G0 (LSB)	25	I	B6	41	I	VRG	57	—	AVDD
10	I	G1	26	I	B7	42	I	VRB	58	O	BO
11	I	G2	27	I	B8	43	I	ROR	59	O	$\overline{\text{BO}}$
12	I	G3	28	I	B9	44	I	VGR	60	—	AVDD
13	I	G4	29	I	BLK	45	I	ROG	61	—	AVDD
14	I	G5	30	I	$\overline{\text{CE}}$	46	I	VGG	62	—	DVDD
15	I	G6	31	I	RCK	47	I	ROB	63	I	R0 (LSB)
16	I	G7	32	I	GCK	48	I	VGB	64	I	R1

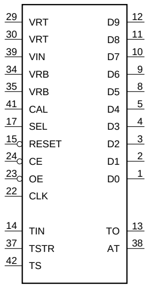

DECODER
LATCHES
4LSB' S CURRENT CELLS
6LSB' S CURRENT CELLS
CLOCK GENERATOR
CURRENT CELLS (FOR FULL SCALE)
BIAS VOLTAGE GENERATOR
RO
RO
VGR
RCK
ROR
VRR
IRR
GO
GO
VGG
GCK
ROG
VRG
IRG
BO
BO
VGB
BCK
ROB
VRB
IRB
VB
BLK
CE

CXD2310AR-T4 (SONY)

C-MOS 10-BIT 20MSPS VIDEO A/D CONVERTER

—TOP VIEW—


VRB
VRB
VRT
VRT
36 AGND
35
34
33 NC
32 NC
31 NC
30
29
28 AGND
27 AGND
26 AVDD (+5V)
25 AVDD (+5V)
TSTR 37
AT 38
VIN 39
40 NC
CAL 41
TS 42
43 AGND
44 AGND
45 DVDD (+3V)
46 NC
47 NC
48 DGND
24 CE
23 OE
22 CLK
21 MINV
20 LINV
19 TMOD
18 AVDD (+5V)
17 SEL
16 DGND
15 RESET
14 TIN
13 TO
S/H AMP.
COURSE CONPARATE & ENCODE
DAC
TIMING GEN.
AMP. (x 8)
CALIVBRATION UNIT
FINE COMPARATE & ENCODE
FINE LATCH
COURSE CORRECTION & LATCH
6 DGND
7 DVDD (+3V)
(LSB) D0 1
D1 2
D2 3
D3 4
D4 5
D5 8
D6 9
D7 10
D8 11
D9 12


29 VRT
30 VRT
39 VIN
34 VRB
35 VRB
41 CAL
17 SEL
15 RESET
24 CE
23 OE
22 CLK
14 TIN
37 TSTR
42 TS
D9 12
D8 11
D7 10
D6 9
D5 8
D4 5
D3 4
D2 3
D1 2
D0 1
TO 13
AT 38

INPUT

CAL ; CALIBRATION PULSE INPUT
CE ; CHIP ENABLE
CLK ; CLOCK
LINV ; OUTPUT (D0-D8) INVERSION
MINV ; OUTPUT (D9) INVERSION
OE ; DIGITAL DATA OUTPUT ENABLE
RESET ; CALIBRATION CIRCUIT RESET
SEL ; OUTPUT DATA (D5-D9) SELECT FOR CALIBRATION (4-CLOCK)
HIGH; THROUGH OUTPUT, LOW; DATA FIXED AS WITH D0-D4
TIN ; TEST SIGNAL INPUT
TMOD ; TEST MODE
TS ; TEST SIGNAL INPUT
TSTR ; TEST SIGNAL INPUT
VRB ; REFERENCE BOTTOM VOLTAGE
VRT ; REFERENCE TOP VOLTAGE

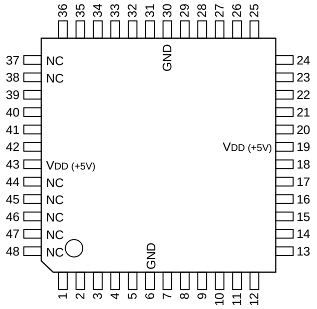
OUTPUT

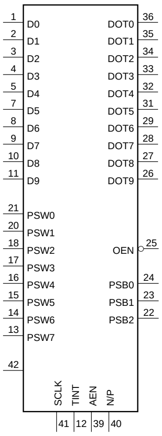
AT ; TEST SIGNAL OUTPUT
D0-D9 ; DIGIRAL DATA OUTPUT
TO ; TEST PIN

CXK1203AR-T4 (SONY)

C-MOS DIGITAL LINE MEMORY

—TOP VIEW—

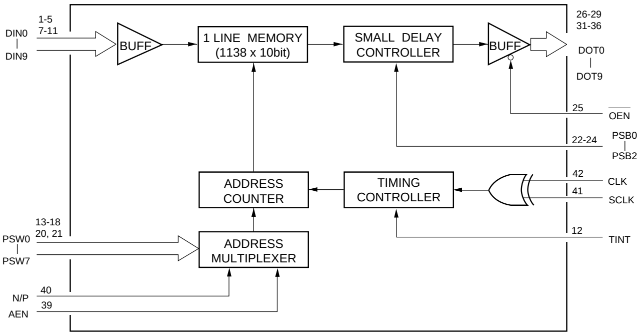

36 35 34 33 32 31 30 29 28 27 26 25
37 NC
38 NC
39
40
41
42
43 VDD (+5V)
44 NC
45 NC
46 NC
47 NC
48 NC
GND
VDD (+5V)
GND
24 23 22 21 20 19 18 17 16 15 14 13
1 2 3 4 5 6 7 8 9 10 11 12


1 D0
2 D1
3 D2
4 D3
5 D4
7 D5
8 D6
9 D7
10 D8
11 D9
21 PSW0
20 PSW1
18 PSW2
17 PSW3
16 PSW4
15 PSW5
14 PSW6
13 PSW7
42
DOT0 36
DOT1 35
DOT2 34
DOT3 33
DOT4 32
DOT5 31
DOT6 29
DOT7 28
DOT8 27
DOT9 26
OEN 25
PSB0 24
PSB1 23
PSB2 22
SCLK 41
TINT 12
AEN 39
N/P 40

(VDD = +5V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	D0	13	I	PSW7	25	I	$\overline{\text{OEN}}$	37	—	N.C
2	I	D1	14	I	PSW6	26	O	DOT9	38	—	N.C
3	I	D2	15	I	PSW5	27	O	DOT8	39	I	AEN
4	I	D3	16	I	PSW4	28	O	DOT7	40	I	N/P
5	I	D4	17	I	PSW3	29	O	DOT6	41	I	SCLK
6	—	GND	18	I	PSW2	30	—	GND	42	I	CLK
7	I	D5	19	—	VDD	31	O	DOT5	43	—	VDD
8	I	D6	20	I	PSW1	32	O	DOT4	44	—	N.C
9	I	D7	21	I	PSW0	33	O	DOT3	45	—	N.C
10	I	D8	22	I	PSB2	34	O	DOT2	46	—	N.C
11	I	D9	23	I	PSB1	35	O	DOT1	47	—	N.C
12	I	TINT	24	I	PSB0	36	O	DOT0	48	—	N.C

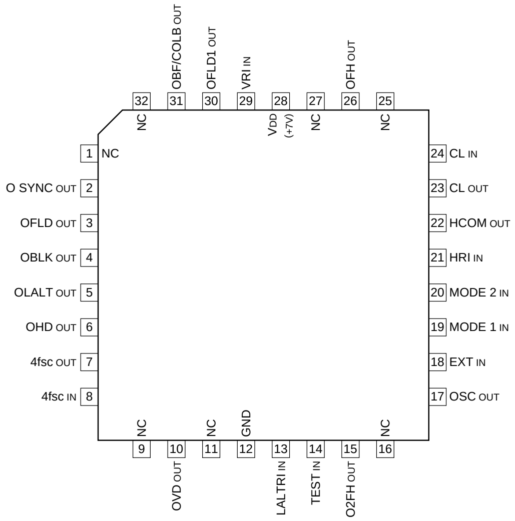
AEN ; LINE MEMORY SELECT
CLK ; CLOCK
DIN0-DIN9 ; VIDEO DATA INPUT
DOT0-DOT9 ; VIDEO DATA OUTPUT
N/P ; NTSC/PAL/SECAM SELECT
OEN ; OUTPUT ENABLE
PSB0-PSB2 ; DELAY STEP SELECT (1 BITxN)
PSW0-PSW7 ; DELAY STEP SELECT (8 BITxN)
SCLK ; CLOCK EDGE SELECT
TINT ; TEST

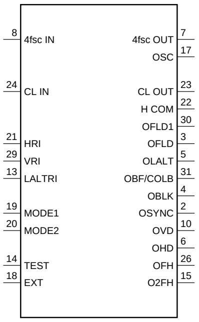

DIN0
DIN9
1-5
7-11
BUFF
1 LINE MEMORY (1138 x 10bit)
SMALL DELAY CONTROLLER
BUFF
26-29
31-36
DOT0
DOT9
25 OEN
22-24 PSB0 PSB2
42 CLK
41 SCLK
12 TINT
ADDRESS COUNTER
TIMING CONTROLLER
ADDRESS MULTIPLEXER
13-18
20, 21
PSW0
PSW7
40 N/P
39 AEN

CXD1217Q-T4 (SONY)

C-MOS SYNC GENERATOR

-TOP VIEW-


32 NC
31 OBF/COLB OUT
30 OFLD1 OUT
29 VRI IN
28 VDD (+7V)
27 NC
26 OFH OUT
25 NC
1 NC
O SYNC OUT 2
OFLD OUT 3
OBLK OUT 4
OLALT OUT 5
OHD OUT 6
4fsc OUT 7
4fsc IN 8
24 CL IN
23 CL OUT
22 HCOM OUT
21 HRI IN
20 MODE 2 IN
19 MODE 1 IN
18 EXT IN
17 OSC OUT
9 NC
10 OVD OUT
11 NC
12 GND
13 LALTRI IN
14 TEST IN
15 O2FH OUT
16 NC


8 4fsc IN
24 CL IN
21 HRI
29 VRI
13 LALTRI
19 MODE1
20 MODE2
14 TEST
18 EXT
4fsc OUT 7
OSC 17
CL OUT 23
H COM 22
OFLD1 30
OFLD 3
OLALT 5
OBF/COLB 31
OBLK 4
OSYNC 2
OVD 10
OHD 6
OFH 26
O2FH 15

SYSTEM	4fsc	CLOCK
NTSC	910f_H	910f_H
PAL	1135f_H + 2fv	908f_H
PALM	909f_H	910f_H
SECAM	—	908f_H

INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0 ; LOW LEVEL
1 ; HIGH LEVEL

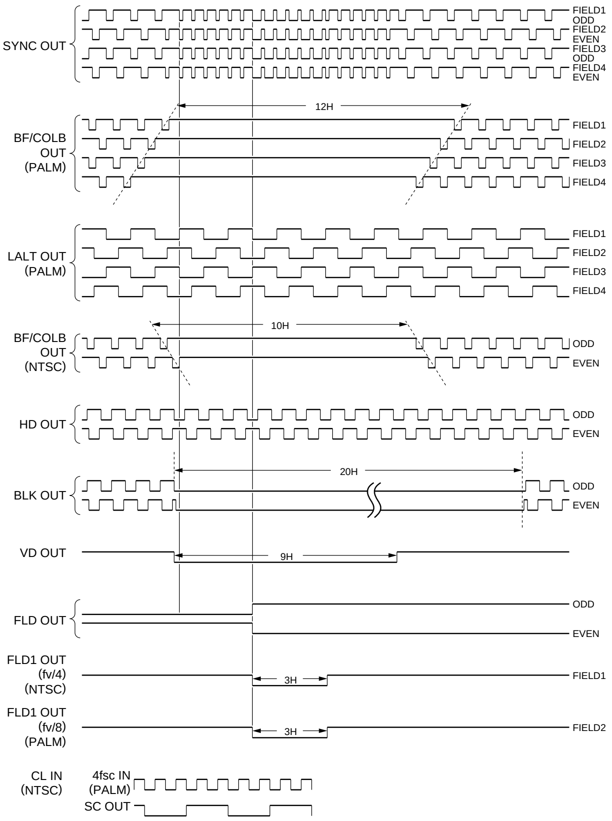
INPUT

4fsc IN	;	4fsc
CL IN	;	CLOCK
EXT	;	SYNC MODE SELECT (L : INTERNAL/H : EXTERNAL)
HRI	;	HORIZONTAL RESET
LALTRI	;	LINE ALTERNATE RESET
MODE1, 2	;	SYSTEM SELECT
VRI	;	VERTICAL RESET

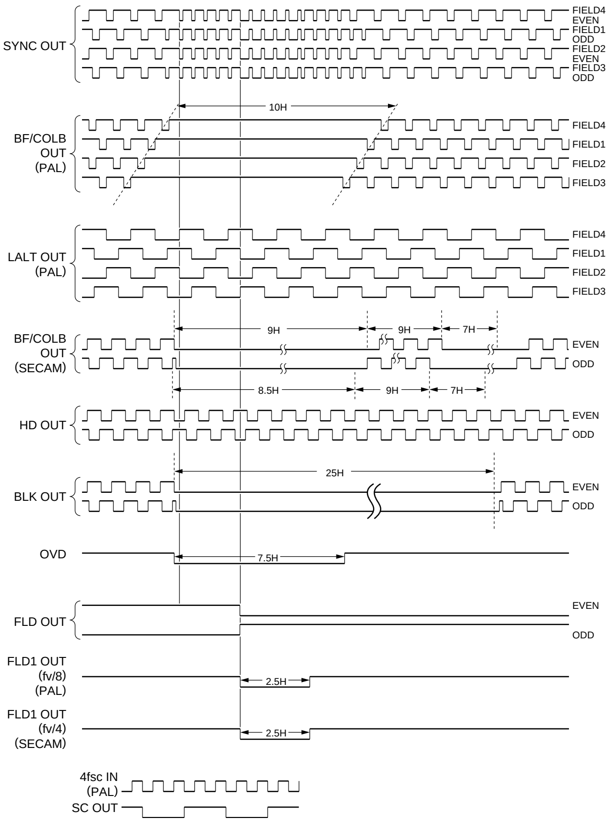
OUTPUT

4fsc OUT	;	4fsc
CL OUT	;	CLOCK
HCOM	;	PHASE COMPARATOR
O2FH	;	2f_H
OBF/COLB	;	BURST FLAG/COLOR BLANKING
OBLK	;	COMPOSITE BLANKING
OFH	;	f_H
OFLD	;	FIELD PULSE
OFLD1	;	FIELD1
OHD	;	HORIZONTAL DRIVE
OLALT	;	LINE ALTERNATE
OSC	;	SUBCARRIER
OSYNC	;	COMPOSITE SYNC
OVD	;	VERTICAL DRIVE

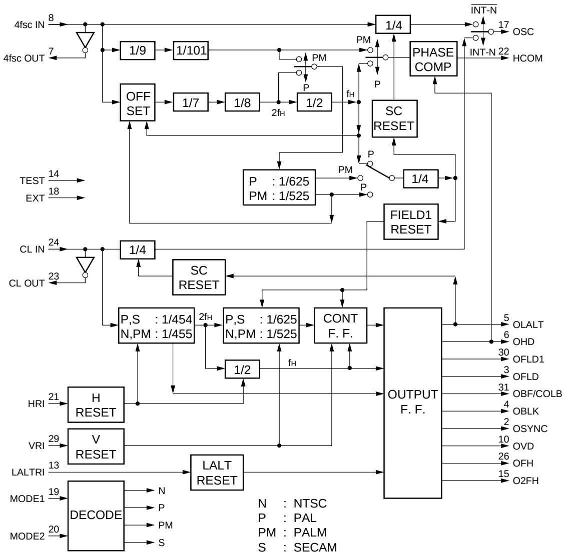
(NTSC, PALM)

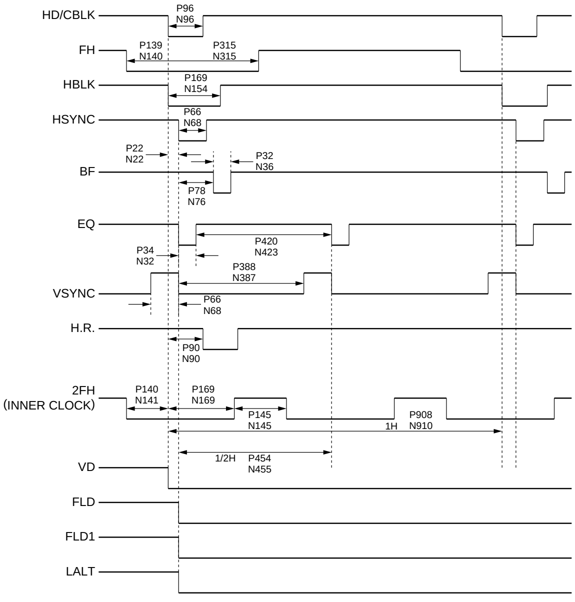

SYNC OUT
FIELD1 ODD
FIELD2 EVEN
FIELD3 ODD
FIELD4 EVEN
12H
BF/COLB OUT (PALM)
FIELD1
FIELD2
FIELD3
FIELD4
LALT OUT (PALM)
FIELD1
FIELD2
FIELD3
FIELD4
10H
BF/COLB OUT (NTSC)
ODD
EVEN
HD OUT
ODD
EVEN
20H
BLK OUT
ODD
EVEN
VD OUT
9H
FLD OUT
ODD
EVEN
FLD1 OUT (fv/4) (NTSC)
3H
FIELD1
FLD1 OUT (fv/8) (PALM)
3H
FIELD2
CL IN (NTSC)
4fsc IN (PALM)
SC OUT

(PAL, SECAM)


SYNC OUT
FIELD4 EVEN
FIELD1 ODD
FIELD2 EVEN
FIELD3 ODD
10H
BF/COLB OUT (PAL)
FIELD4
FIELD1
FIELD2
FIELD3
LALT OUT (PAL)
FIELD4
FIELD1
FIELD2
FIELD3
9H
9H
7H
BF/COLB OUT (SECAM)
EVEN
ODD
8.5H
9H
7H
HD OUT
EVEN
ODD
25H
BLK OUT
EVEN
ODD
OVD
7.5H
FLD OUT
EVEN
ODD
FLD1 OUT (fv/8) (PAL)
2.5H
FLD1 OUT (fv/4) (SECAM)
2.5H
4fsc IN (PAL)
SC OUT

http://getMANUAL.com


4fsc IN 8
4fsc OUT 7
1/9
1/101
1/4
PM
PM
P
PHASE COMP
INT-N
17 OSC
INT-N 22 HCOM
OFF SET
1/7
1/8
1/2
2fH
fH
P
SC RESET
TEST 14
EXT 18
P : 1/625
PM : 1/525
PM
P
P
1/4
FIELD1 RESET
CL IN 24
CL OUT 23
1/4
SC RESET
P,S : 1/454
N,PM : 1/455
2fH
P,S : 1/625
N,PM : 1/525
CONT F. F.
1/2
fH
OUTPUT F. F.
5 OLALT
6 OHD
30 OFLD1
3 OFLD
31 OBF/COLB
4 OBLK
2 OSYNC
10 OVD
26 OFH
15 O2FH
HRI 21
H RESET
VRI 29
V RESET
LALTRI 13
LALT RESET
MODE1 19
MODE2 20
DECODE
N
P
PM
S
N : NTSC
P : PAL
PM : PALM
S : SECAM

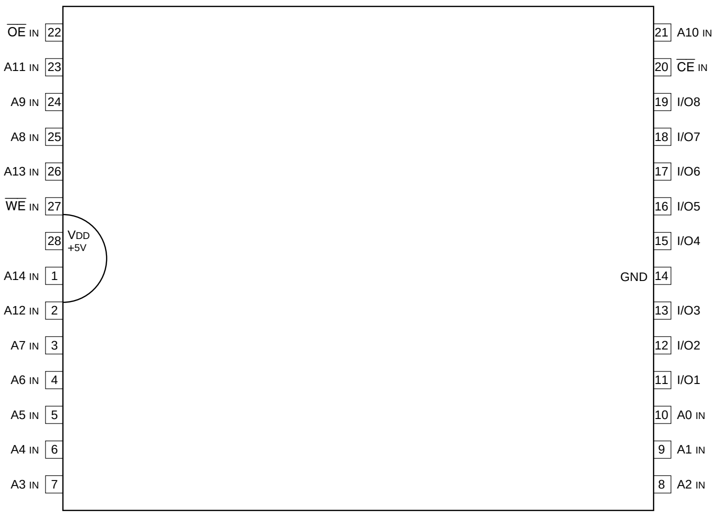


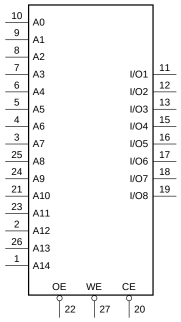
P : PAL, SECAM
N : NTSC, PALM

CXK58257CTM-70LL-T6 (SONY)(ACCESS TIME=70 ns)FLAT PACKAGE

C-MOS 256K (32768 × 8)-BIT STATIC RAM

—TOP VIEW—

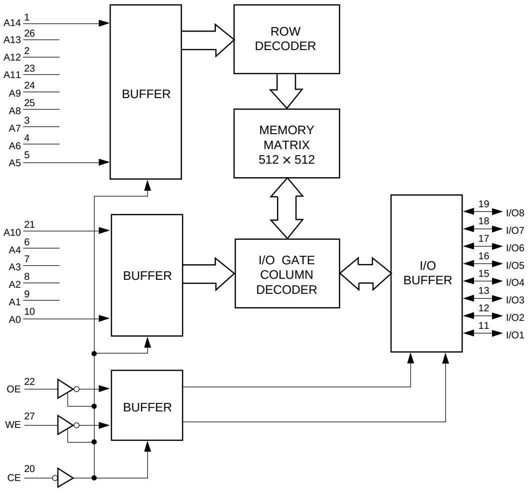

OE IN 22
A11 IN 23
A9 IN 24
A8 IN 25
A13 IN 26
WE IN 27
28 VDD +5V
A14 IN 1
A12 IN 2
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
21 A10 IN
20 CE IN
19 I/O8
18 I/O7
17 I/O6
16 I/O5
15 I/O4
GND 14
13 I/O3
12 I/O2
11 I/O1
10 A0 IN
9 A1 IN
8 A2 IN


10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
26 A13
1 A14
I/O1 11
I/O2 12
I/O3 13
I/O4 15
I/O5 16
I/O6 17
I/O7 18
I/O8 19
OE 22
WE 27
CE 20

A0 - A14	;	ADDRESS INPUTS
CE	;	CHIP ENABLE INPUT
I/O1 - I/O8	;	DATA INPUTS/OUTPUTS
OE	;	OUTPUT ENABLE INPUT
WE	;	WRITE ENABLE INPUT

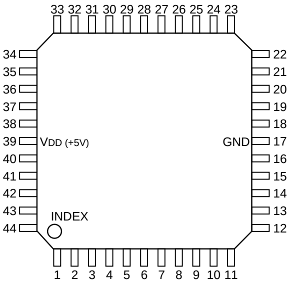
CE	OE	WE	MODE	I/O TERMINAL
1	×	×	NOT SELECT	HIGH IMPEDANCE
0	1	1	OUTPUT DISABLE	HIGH IMPEDANCE
0	0	1	READ	OUTPUT DATA
0	×	0	WRITE	INPUT DATA

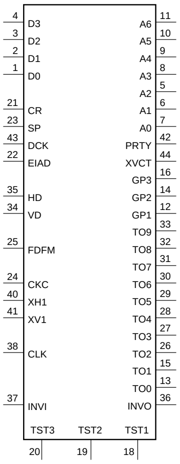
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE


A14 1
A13 26
A12 2
A11 23
A9 24
A8 25
A7 3
A6 4
A5 5
BUFFER
ROW DECODER
MEMORY MATRIX 512 × 512
A10 21
A4 6
A3 7
A2 8
A1 9
A0 10
BUFFER
I/O GATE COLUMN DECODER
I/O BUFFER
19 I/O8
18 I/O7
17 I/O6
16 I/O5
15 I/O4
13 I/O3
12 I/O2
11 I/O1
OE 22
WE 27
CE 20
BUFFER

CXD8095Q (SONY)FLAT PACKAGE

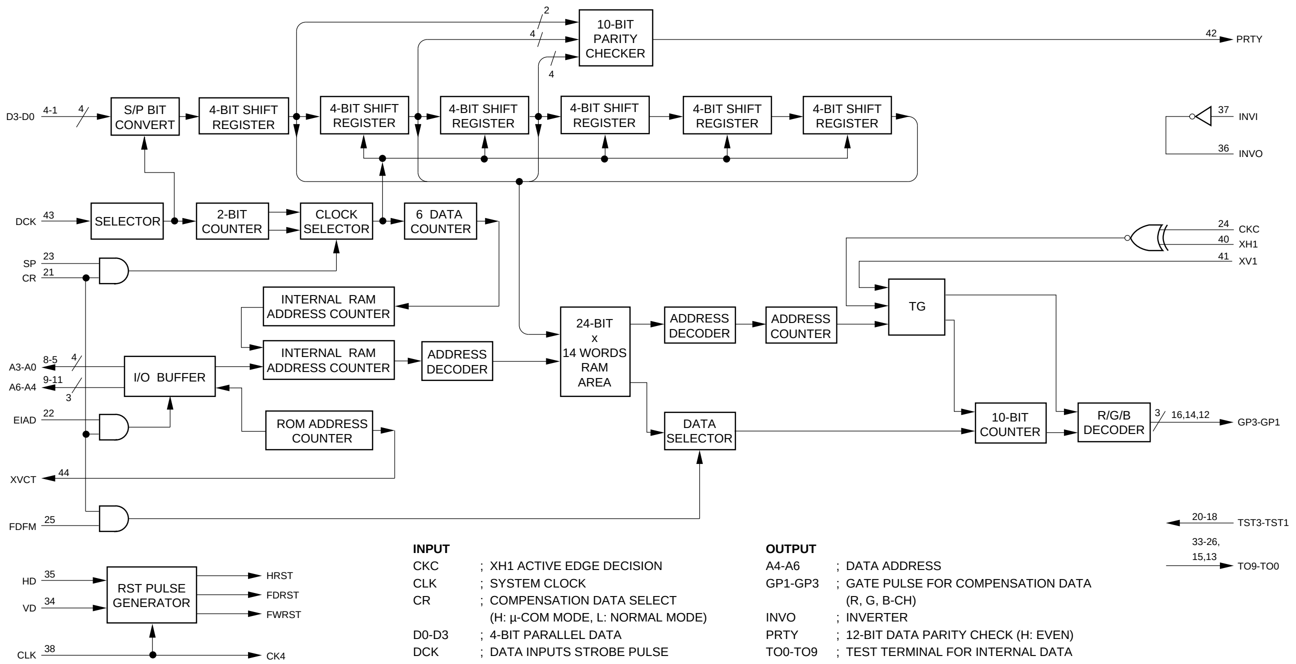
C-MOS GATE ARRAY
—TOP VIEW—


33 32 31 30 29 28 27 26 25 24 23
34
35
36
37
38
39
40
41
42
43
44
VDD (+5V)
INDEX
GND
22
21
20
19
18
17
16
15
14
13
12
1 2 3 4 5 6 7 8 9 10 11


4 D3
3 D2
2 D1
1 D0
21 CR
23 SP
43 DCK
22 EIAD
35 HD
34 VD
25 FDFM
24 CKC
40 XH1
41 XV1
38 CLK
37 INVI
A6 11
A5 10
A4 9
A3 8
A2 5
A1 6
A0 7
PRTY 42
XVCT 44
GP3 16
GP2 14
GP1 12
TO9 33
TO8 32
TO7 31
TO6 30
TO5 29
TO4 28
TO3 27
TO2 26
TO1 15
TO0 13
INVO 36
TST3 20
TST2 19
TST1 18

(VDD = +5V)

PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	I	D0	12	O	GP1	23	I	SP	34	I	VD
2	I	D1	13	O	TO0	24	I	CKC	35	I	HD
3	I	D2	14	O	GP2	25	I	FDFM	36	O	INVO
4	I	D3	15	O	TO1	26	O	TO2	37	I	INVI
5	I/O	A2	16	O	GP3	27	O	TO3	38	I	CLK
6	I/O	A1	17	—	GND	28	O	TO4	39	—	VDD
7	I/O	A0	18	I	TST1	29	O	TO5	40	I	XH1
8	I/O	A3	19	I	TST2	30	O	TO6	41	I	XV1
9	O	A4	20	I	TST3	31	O	TO7	42	O	PRTY
10	O	A5	21	I	CR	32	O	TO8	43	I	DCK
11	O	A6	22	I	EIAD	33	O	TO9	44	O	XVCT


10-BIT PARITY CHECKER
2
4
4
42 PRTY
D3-D0 4-1 4
S/P BIT CONVERT
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
37 INVI
36 INVO
DCK 43
SELECTOR
2-BIT COUNTER
CLOCK SELECTOR
6 DATA COUNTER
24 CKC
40 XH1
41 XV1
SP 23
CR 21
INTERNAL RAM ADDRESS COUNTER
INTERNAL RAM ADDRESS COUNTER
ADDRESS DECODER
24-BIT x 14 WORDS RAM AREA
ADDRESS DECODER
ADDRESS COUNTER
TG
A3-A0 8-5 4
A6-A4 9-11 3
I/O BUFFER
EIAD 22
ROM ADDRESS COUNTER
DATA SELECTOR
10-BIT COUNTER
R/G/B DECODER
3 16,14,12 GP3-GP1
XVCT 44
FDFM 25
20-18 TST3-TST1
33-26, 15,13 TO9-TO0
HD 35
VD 34
RST PULSE GENERATOR
HRST
FDRST
FWRST
CLK 38
CK4

INPUT
CKC ; XH1 ACTIVE EDGE DECISION
CLK ; SYSTEM CLOCK
CR ; COMPENSATION DATA SELECT (H: µ-COM MODE, L: NORMAL MODE)
D0-D3 ; 4-BIT PARALLEL DATA
DCK ; DATA INPUTS STROBE PULSE
EIAD ; H: EXT ADDRESS, L: INT ADDRESS
FDFM ; FRAME READ/FIELD READ SWITCH (H: FIELD READ)
HD ; HORIZONTAL DRIVE
INVI ; INVERTER
SP ; INPUT DATA SERIAL/PARALLEL SWITCH (H: SERIAL)
TST1-TST3 ; TEST MODE SELECT
VD ; VERTICAL DRIVE
XH1 ; CLOCK FOR COMPENSATION DATA
XV1 ; LINE COUNTER INPUT TERMINAL

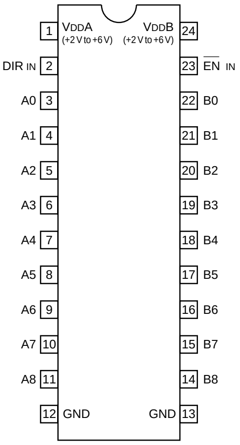
OUTPUT
A4-A6 ; DATA ADDRESS
GP1-GP3 ; GATE PULSE FOR COMPENSATION DATA (R, G, B-CH)
INVO ; INVERTER
PRTY ; 12-BIT DATA PARITY CHECK (H: EVEN)
TO0-TO9 ; TEST TERMINAL FOR INTERNAL DATA OUTPUTS
XVCT ; ROM POWER VOLTAGE CONTROL TERMINAL

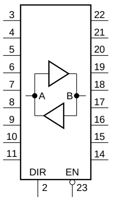
INPUT/OUTPUT
A0-A3 ; DATA ADDRESS OUTPUTS (DATA ADDRESS INPUTS;µ-COM MODE)

HD151015TEL (HITACHI)FLAT PACKAGELT

C-MOS 9-BIT LEVEL SHIFTER/TRANSCEIVER WITH 3-STATE OUTPUTS

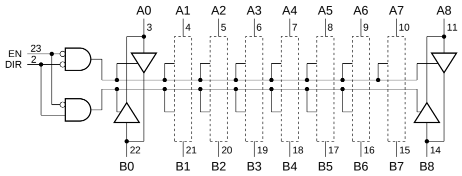
— TOP VIEW —


1 VDDA (+2 V to +6 V)
VDDB (+2 V to +6 V) 24
DIR IN 2
23 EN IN
A0 3
22 B0
A1 4
21 B1
A2 5
20 B2
A3 6
19 B3
A4 7
18 B4
A5 8
17 B5
A6 9
16 B6
A7 10
15 B7
A8 11
14 B8
12 GND
GND 13


3 4 5 6 7 8 9 10 11
22 21 20 19 18 17 16 15 14
A
B
DIR
EN
2
23

EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI-Z

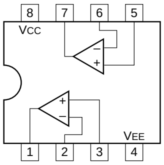
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


A0 A1 A2 A3 A4 A5 A6 A7 A8
3 4 5 6 7 8 9 10 11
EN 23
DIR 2
22 21 20 19 18 17 16 15 14
B0 B1 B2 B3 B4 B5 B6 B7 B8

LT1253CS8-E2 (LINEAR TECH)FLAT PACKAGE

DUAL VIDEO AMPLIFIER

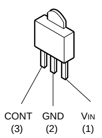
-TOP VIEW-

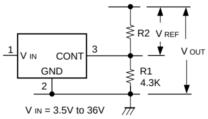

8 7 6 5
VCC
VEE
1 2 3 4

	VCC	VEE
SINGLE SUPPLY	+4 to +28V	GND
SPLIT SUPPLIES	+2 to +14V	–2 to –14V

M5237ML-TP1 (MITSUBISHI)

ADJUSTABLE VOLTAGE REGULATOR


CONT (3)
GND (2)
VIN (1)

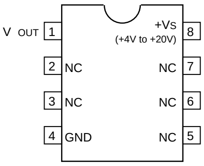

1
V IN
CONT
3
GND
2
R2
V REF
R1 4.3K
V OUT

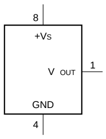
V_{IN} = 3.5V to 36V
V_{OUT} = 1.5V to 33V
$V_{OUT} = V_{REF}\,(1+\frac{R2}{R1}) \fallingdotseq 1.26x\,(1+\frac{R2}{4.3})$ (V)
(R1 = 4.3KΩ, $V_{REF} \fallingdotseq$ 1.26V)

LM35DMX (NS)FLAT PACKAGE

TEMPERATURE SENSOR

—TOP VIEW—

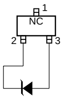

V OUT 1
+VS (+4V to +20V) 8
2 NC
NC 7
3 NC
NC 6
4 GND
NC 5


8
+VS
V OUT
1
GND
4

LM4040AIM3-2.5 (NS)

PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE

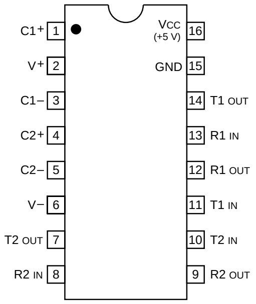
— TOP VIEW —

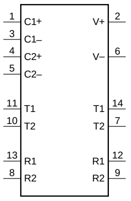


MAX202CSE-TE2 (MAXIM)

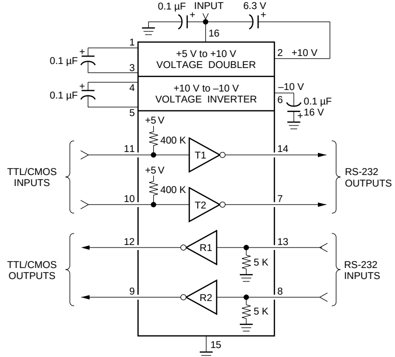
RS-232 TRANSMITTER/RECEIVER

— TOP VIEW —


C1+ 1
VCC (+5 V) 16
V+ 2
GND 15
C1– 3
14 T1 OUT
C2+ 4
13 R1 IN
C2– 5
12 R1 OUT
V– 6
11 T1 IN
T2 OUT 7
10 T2 IN
R2 IN 8
9 R2 OUT

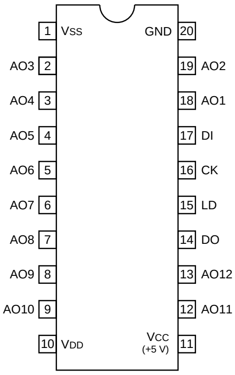

1 C1+
3 C1–
4 C2+
5 C2–
V+ 2
V– 6
11 T1
10 T2
T1 14
T2 7
13 R1
8 R2
R1 12
R2 9

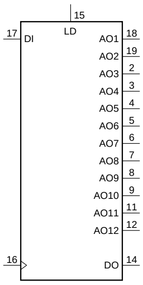
R1, 2 ; RECEIVER 1, 2
T1, 2 ; TRANSMITTER 1, 2


+5 V INPUT
0.1 µF
0.1 µF 6.3 V
16
1
0.1 µF
3
+5 V to +10 V VOLTAGE DOUBLER
2 +10 V
0.1 µF
4
+10 V to –10 V VOLTAGE INVERTER
–10 V
6
0.1 µF 16 V
5
+5 V
400 K
11
T1
14
TTL/CMOS INPUTS
RS-232 OUTPUTS
+5 V
400 K
10
T2
7
12
R1
13
5 K
TTL/CMOS OUTPUTS
RS-232 INPUTS
9
R2
8
5 K
15

M62352GP-75ED (MITSUBISHI)FLAT PACKAGE

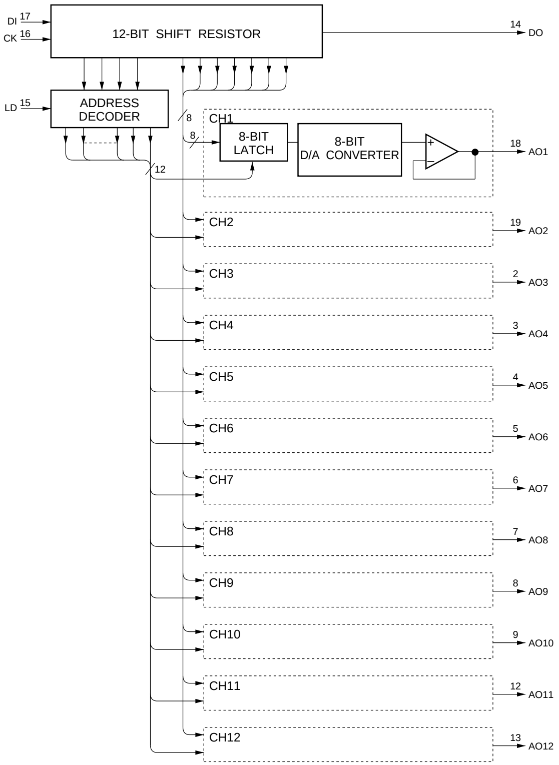
C-MOS 8-BITx12 CHANNEL D/A CONVERTER
(WITH BUFFER OPERATIONAL AMPLIFIER)
— TOP VIEW —


1 VSS
2 AO3
3 AO4
4 AO5
5 AO6
6 AO7
7 AO8
8 AO9
9 AO10
10 VDD
11 VCC (+5 V)
12 AO11
13 AO12
14 DO
15 LD
16 CK
17 DI
18 AO1
19 AO2
20 GND


15 LD
17 DI
16
AO1 18
AO2 19
AO3 2
AO4 3
AO5 4
AO6 5
AO7 6
AO8 7
AO9 8
AO10 9
AO11 11
AO12 12
DO 14

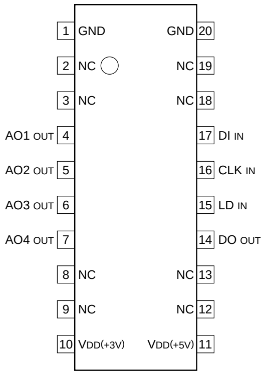
AO1-AO12 ; 8-BIT D/A OUTPUTS
CK ; CLOCK INPUT
DI ; SERIAL DATA INPUT
DO ; DATA OUTPUT

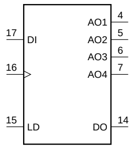
NOTE:
3.5 V < VDD < VCC
–3.5 V < VSS < VCC


DI 17
CK 16
12-BIT SHIFT RESISTOR
14 DO
LD 15
ADDRESS DECODER
8
8
12
CH1
8-BIT LATCH
8-BIT D/A CONVERTER
18 AO1
CH2 19 AO2
CH3 2 AO3
CH4 3 AO4
CH5 4 AO5
CH6 5 AO6
CH7 6 AO7
CH8 7 AO8
CH9 8 AO9
CH10 9 AO10
CH11 12 AO11
CH12 13 AO12

MB88351PFV-ER (FUJITSU)FLAT PACKAGE

C-MOS 12-BIT D / A CONVERTER WITH OPERATIONAL AMPLIFIER
-TOP VIEW-


1 GND
2 NC
3 NC
4 AO1 OUT
5 AO2 OUT
6 AO3 OUT
7 AO4 OUT
8 NC
9 NC
10 VDD(+3V)
11 VDD(+5V)
12 NC
13 NC
14 DO OUT
15 LD IN
16 CLK IN
17 DI IN
18 NC
19 NC
20 GND

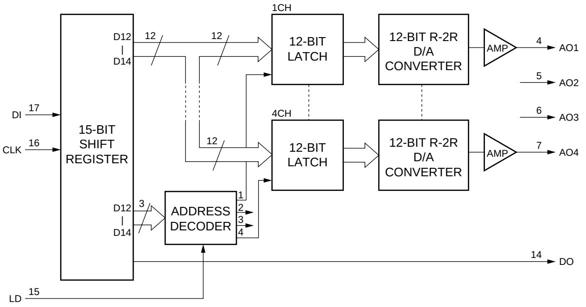

17 DI
16
15 LD
AO1 4
AO2 5
AO3 6
AO4 7
DO 14

INPUT
CLK ; CHIFT CLOCK
DI ; SERIAL DATA
LD ; DECODER AND D/A REGISTER TO LOAD

OUTPUT
AO1 - AO4 ; ANALOG DATA
DO ; MBS BIT DATA IN 15-BIT SHIFT REGISTER

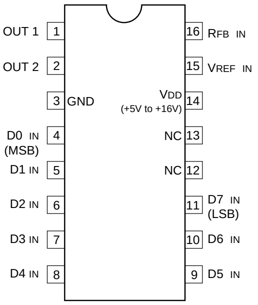
D12	D13	D14	ADDRESS SELECT
0	0	0	DON'T CARE
0	0	1	AO1 SELECT
0	1	0	AO2 SELECT
0	1	1	AO3 SELECT
1	0	0	AO4 SELECT
1	0	1	DON'T CARE
1	1	0	DON'T CARE
1	1	1	DON'T CARE

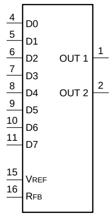
0 ; LOW LEVEL
1 ; HIGH LEVEL

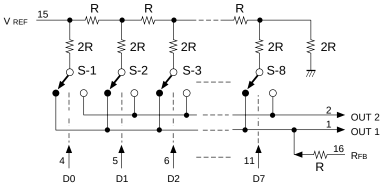

DI 17
CLK 16
LD 15
15-BIT SHIFT REGISTER
D12 | D14
12
12
1CH
12-BIT LATCH
12-BIT R-2R D/A CONVERTER
AMP
4 AO1
5 AO2
6 AO3
4CH
12
12-BIT LATCH
12-BIT R-2R D/A CONVERTER
AMP
7 AO4
D12 | D14
3
ADDRESS DECODER
1
2
3
4
14 DO

XRD7523AID-JTR (EXAR)

C-MOS 8-BIT D/A CONVERTER
-TOP VIEW-


OUT 1 1
OUT 2 2
3 GND
D0 IN (MSB) 4
D1 IN 5
D2 IN 6
D3 IN 7
D4 IN 8
9 D5 IN
10 D6 IN
11 D7 IN (LSB)
12 NC
13 NC
14 VDD (+5V to +16V)
15 VREF IN
16 RFB IN


4 D0
5 D1
6 D2
7 D3
8 D4
9 D5
10 D6
11 D7
15 VREF
16 RFB
OUT 1 1
OUT 2 2

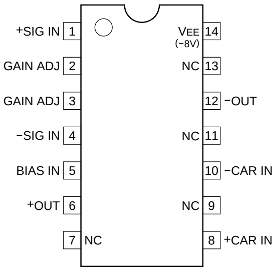

V REF 15
R
R
R
2R
2R
2R
2R
2R
S-1
S-2
S-3
S-8
2 OUT 2
1 OUT 1
16 RFB
R
4 D0
5 D1
6 D2
11 D7

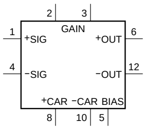
MP7523 : R=10k
XRD7523 : R=20k

NJM1496V-TE2 (JRC)FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR

-TOP VIEW-

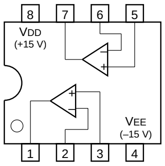

+SIG IN 1
GAIN ADJ 2
GAIN ADJ 3
−SIG IN 4
BIAS IN 5
+OUT 6
7 NC
VEE (−8V) 14
NC 13
12 −OUT
NC 11
10 −CAR IN
NC 9
8 +CAR IN


2
3
GAIN
1 +SIG
+OUT 6
4 −SIG
−OUT 12
+CAR −CAR BIAS
8 10 5

NJM2043M-D-TE2 (JRC)FLAT PACKAGE
TL062CPW-ELL2000 (TI)FLAT PACKAGE
UPC812G2-T2 (NEC)FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER

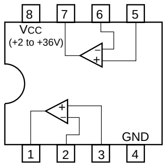
— TOP VIEW —


8 7 6 5
VDD (+15 V)
VEE (–15 V)
1 2 3 4

NJM2903V(TE2) (JRC)

DUAL VOLTAGE COMPARATORS

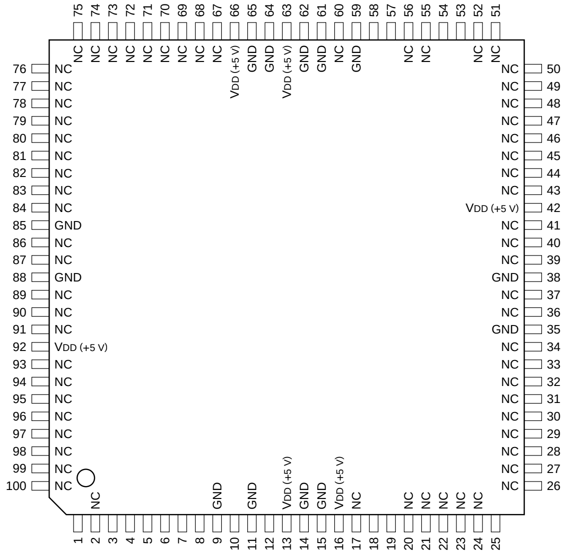
—TOP VIEW—


8 7 6 5
VCC (+2 to +36V)
GND
1 2 3 4

QL12X16B-XPF100C (QUICK LOGIC)

C-MOS FIELD PROGRAMMABLE GATE ARRAY

—TOP VIEW—


75 ... 51
76 ... 100
1 ... 25
50 ... 26
VDD (+5 V)
GND
NC

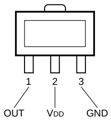
(VDD = +5 V)

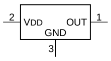
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	CLR	26	—	NC	51	—	NC	76	—	NC
2	—	NC	27	—	NC	52	—	NC	77	—	NC
3	I/O	PAL NTSC	28	—	NC	53	I/O	BLKG	78	—	NC
4	I/O	FULL NORMAL	29	—	NC	54	I/O	XBLKG	79	—	NC
5	I/O	CLKSEL	30	—	NC	55	—	NC	80	—	NC
6	I/O	CLK2IN	31	—	NC	56	—	NC	81	—	NC
7	I/O	CLK2OUT	32	—	NC	57	I/O	WIDE ID	82	—	NC
8	I/O	CLK1IN	33	—	NC	58	I/O	XWIDE ID	83	—	NC
9	—	GND	34	—	NC	59	—	GND	84	—	NC
10	I/O	CLK1 2OUT	35	—	GND	60	—	NC	85	—	GND
11	—	GND	36	—	NC	61	—	GND	86	—	NC
12	I	CLK	37	—	NC	62	—	GND	87	—	NC
13	—	VDD	38	—	GND	63	—	VDD	88	—	GND
14	—	GND	39	—	NC	64	—	GND	89	—	NC
15	—	GND	40	—	NC	65	—	GND	90	—	NC
16	—	VDD	41	—	NC	66	—	VDD	91	—	NC
17	—	NC	42	—	VDD	67	—	NC	92	—	VDD
18	I/O	HDIN	43	—	NC	68	—	NC	93	—	NC
19	I/O	VDIN	44	—	NC	69	—	NC	94	—	NC
20	—	NC	45	—	NC	70	—	NC	95	—	NC
21	—	NC	46	—	NC	71	—	NC	96	—	NC
22	—	NC	47	—	NC	72	—	NC	97	—	NC
23	—	NC	48	—	NC	73	—	NC	98	—	NC
24	—	NC	49	—	NC	74	—	NC	99	—	NC
25	I/O	MODE FULL	50	—	NC	75	—	NC	100	—	NC

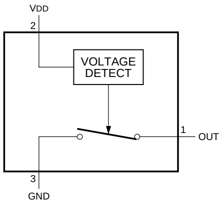
S-8054HN-CB-T1 (SEIKO I & E)

C-MOS VOLTAGE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT

-TOP VIEW-


1 2 3
OUT VDD GND

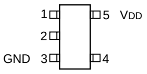

2 VDD
OUT 1
GND
3

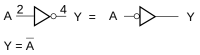

VDD
2
VOLTAGE DETECT
1
OUT
3
GND

SC7S04F(TE85R) (MOTOROLA)CHIP PACKAGE
TC4S69F(TE85R) (TOSHIBA)CHIP PACKAGE
TC7S04F(TE85R) (TOSHIBA)CHIP PACKAGE
TC7S04FU(TE85R) (TOSHIBA)FLAT PACKAGE
TC7SH04FU-TE85R (TOSHIBA)FLAT PACKAGE
TC7SU04F(TE85R) (TOSHIBA)FLAT PACKAGE

C-MOS INVERTER

-TOP VIEW-


1
2
GND 3
5 VDD
4



$Y = \overline{A}$

A	Y
0	1
1	0

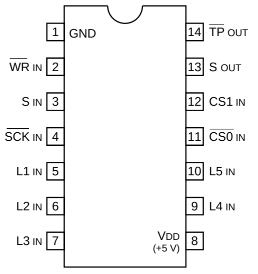
0 ; LOW LEVEL
1 ; HIGH LEVEL

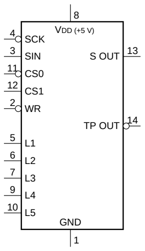
TYPE	VDD
7S04F 7SU04F 7SU04FU	+2 to +6V
4S69F 4SU69F	+3 to +18V
7SH04FU 7SHU04FU	+2 to +5.5V

RTC-4553B-L2 (EPSON)

C-MOS REAL TIME CLOCK

— TOP VIEW —


1 GND
WR IN 2
S IN 3
SCK IN 4
L1 IN 5
L2 IN 6
L3 IN 7
14 TP OUT
13 S OUT
12 CS1 IN
11 CS0 IN
10 L5 IN
9 L4 IN
VDD (+5 V) 8

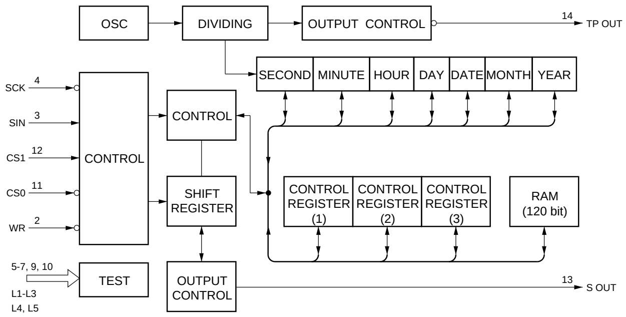

8
VDD (+5 V)
4 SCK
3 SIN
11 CS0
12 CS1
2 WR
S OUT 13
TP OUT 14
5 L1
6 L2
7 L3
9 L4
10 L5
GND
1

INPUT

CS0 ; CHIP SELECT (L: ACCESS ENABLE, H: SOUT HIGH Z)
CS1 ; POWER DOWN DETECTION
L1-L5 ; TEST IN
SCK ; SERIAL SYNC SIGNAL
SIN ; SERIAL ADDRESS/DATA
WR ; WRITING SELECT (L: WRITING, H: READING)

OUTPUT

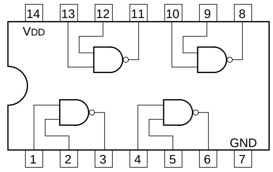
SOUT ; SERIAL ADDRESS/DATA
TPOUT ; REFERENCE SIGNAL

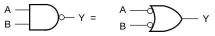

OSC
DIVIDING
OUTPUT CONTROL
14 TP OUT
SECOND
MINUTE
HOUR
DAY
DATE
MONTH
YEAR
SCK 4
SIN 3
CS1 12
CS0 11
WR 2
CONTROL
CONTROL
SHIFT REGISTER
CONTROL REGISTER (1)
CONTROL REGISTER (2)
CONTROL REGISTER (3)
RAM (120 bit)
5-7, 9, 10
L1-L3
L4, L5
TEST
OUTPUT CONTROL
13 S OUT

SN74HC00APW-E05 (TI)FLAT PACKAGE
SN74LVC00APW-E05 (TI)

C-MOS QUAD 2-INPUT NAND GATES

—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



$Y = \overline{A \bullet B} = \overline{A} + \overline{B}$

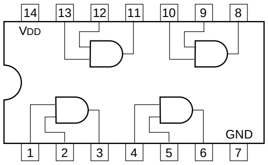
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

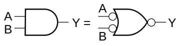
0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74HC08APW-E05 (TI)FLAT PACKAGE
SN74HCT08APW-E05 (TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT AND GATE

- TOP VIEW -


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



$Y = A \bullet B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

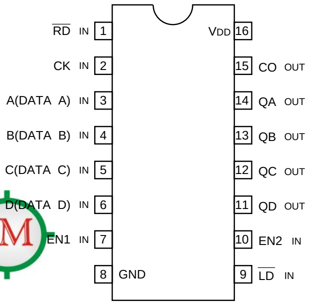
NOTE :

TYPE	VDD
AC	+2 to +5.5V
TC40H	+2 to +8V
ACT/HCT	+5V
OTHER TYPES	+2 to +6V

SN74HC163APW-E05 (TI)FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

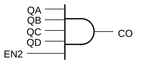
—TOP VIEW—


RD IN 1
CK IN 2
A(DATA A) IN 3
B(DATA B) IN 4
C(DATA C) IN 5
D(DATA D) IN 6
EN1 IN 7
8 GND
VDD 16
15 CO OUT
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 IN
9 LD IN

MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	×	×	×	RESET (SYNCHRONOUS)
1	0	×	×	PRESET (SYNCHRONOUS)
1	1	0	×	NO COUNT
1	1	×	0	NO COUNT
1	1	1	1	COUNT

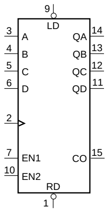
CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

NOTE:

TYPE	VDD
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT/FCT	+5V


9
LD
3 A
4 B
5 C
6 D
QA 14
QB 13
QC 12
QD 11
2
7 EN1
10 EN2
CO 15
RD
1

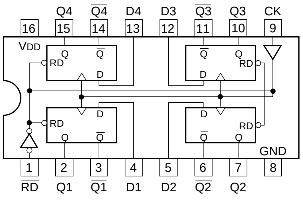
COUNT SEQUENCE

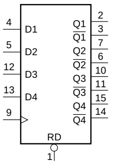
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

SN74HC175APW-E05 (TI)FLAT PACKAGE

C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET

-TOP VIEW-


Q4
Q4
D4
D3
Q3
Q3
CK
16
15
14
13
12
11
10
9
VDD
RD
Q
Q
D
GND
1
2
3
4
5
6
7
8
RD
Q1
Q1
D1
D2
Q2
Q2


4 D1
5 D2
12 D3
13 D4
9
Q1 2
Q1 3
Q2 7
Q2 6
Q3 10
Q3 11
Q4 15
Q4 14
RD
1

RD	CK	D	Q	$\overline{Q}$
0	X	X	0	1
1	↑	1	1	0
1	↑	0	0	1
1	0	X	Q_0	$\overline{Q}_0$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
Q_0 ; NO CHANGE
$\overline{Q}_0$; NO CHANGE

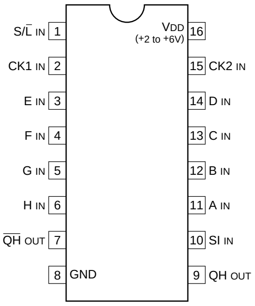
NOTE:

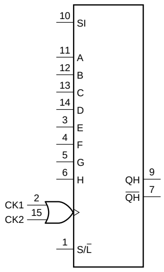
TYPE	VDD
AC TYPE	+2V to +5.5V
74ACT175 TYPE	+4.5V to 5.5V
OTHER TYPES	+2V to 6V

SN74HC165ANS-E05 (TI)FLAT PACKAGE
SN74HC165APW-E05 (TI)FLAT PACKAGE
TC74VHC165FS(EL) (TOSHIBA)FLAT PACKAGE

C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER

-TOP VIEW-

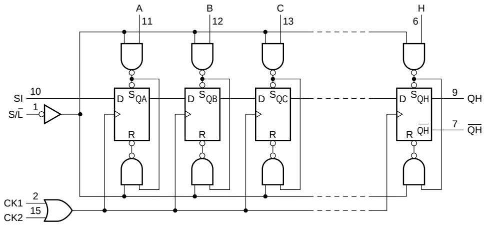

S/L̄ IN 1
CK1 IN 2
E IN 3
F IN 4
G IN 5
H IN 6
Q̄H OUT 7
8 GND
VDD (+2 to +6V) 16
15 CK2 IN
14 D IN
13 C IN
12 B IN
11 A IN
10 SI IN
9 QH OUT


10 SI
11 A
12 B
13 C
14 D
3 E
4 F
5 G
6 H
CK1 2
CK2 15
1 S/L̄
QH 9
Q̄H 7

SI ; SERIAL DATA IN
A-H ; PARALLEL DATA IN
CK1,CK2 ; CLOCK IN (↑)
S/L̄ ; SHIFT/LOAD IN
QH Q̄H ; 8th BIT OUT (COMPLEMENTALY)

INPUTS				CONTENTS		OUTPUT	OPERATION
S/L	CK1+CK2	SI	A----------H	QA	QB-----	QH	
0	X	X	a----------h	a	b-----	h	PARALLEL LOAD
1	↑	0	X	0	QAo---	QGo	RIGHT SHIFT
1	↑	1	X	1	QAo---	QGo	
1	↓	X	X	QAo	QBo---	QHo	NO COUNT
1	0	X	X	QAo	QBo---	QHo	
1	1	X	X	QAo	QBo---	QHo	

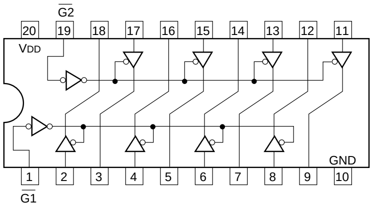
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
a-h ; LEVEL OF INPUTS A-H
QAo-QHo ; LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED

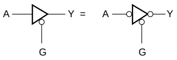

A
11
B
12
C
13
H
6
SI 10
S/L̄ 1
D S QA R
D S QB R
D S QC R
D S QH R Q̄H
9 QH
7 Q̄H
CK1 2
CK2 15

SN74HC244APW-E05 (TI)
SN74HCT244APW-E05 (TI)FLAT PACKAGE

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS

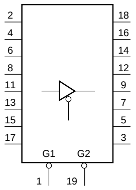
-TOP VIEW-


Ḡ2
20 19 18 17 16 15 14 13 12 11
VDD
GND
1 2 3 4 5 6 7 8 9 10
Ḡ1

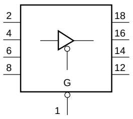


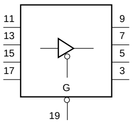
G	A	Y
0	0	0
0	1	1
×	×	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


2 4 6 8 11 13 15 17
18 16 14 12 9 7 5 3
G1 G2
1 19

OR


2 4 6 8
18 16 14 12
G
1


11 13 15 17
9 7 5 3
G
19

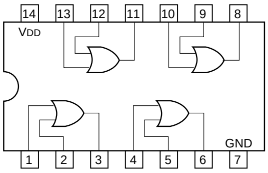
NOTE:

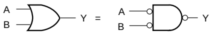
TYPE	V_{DD}
74HC 40H	+2 to +6V
74ACT 74BCT 74FCT 74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
74AC/74VHC	+2 to +5.5V

SN74HC32APW-E05 (TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES

-TOP VIEW-


14 13 12 11 10 9 8
VDD
GND
1 2 3 4 5 6 7



$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

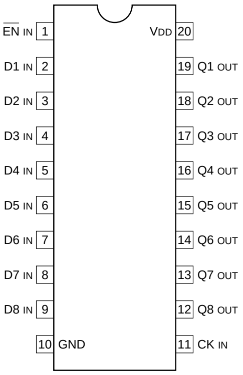
NOTE:

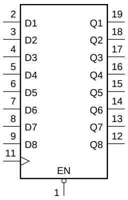
TYPE	V_{DD}
74AC/74VHC	+2 to +5.5V
74HC	+2 to +6V
74HCT	+4.5 to +5.5V

SN74HC574APW-E05 (TI)
TC74VHC574FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP

-TOP VIEW-

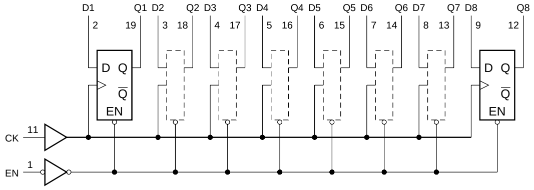

ĒN IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
10 GND
VDD 20
19 Q1 OUT
18 Q2 OUT
17 Q3 OUT
16 Q4 OUT
15 Q5 OUT
14 Q6 OUT
13 Q7 OUT
12 Q8 OUT
11 CK IN


2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
9 D8
11
EN
1
Q1 19
Q2 18
Q3 17
Q4 16
Q5 15
Q6 14
Q7 13
Q8 12

EACH FLIP-FLOP

INPUTS			OUT
EN	CK	D	Q
0	↑	1	1
0	↑	0	0
0	↓	×	Q_0
1	×	×	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
Q_0 ; NO CHANGE


D1 2
Q1 19
D2 3
Q2 18
D3 4
Q3 17
D4 5
Q4 16
D5 6
Q5 15
D6 7
Q6 14
D7 8
Q7 13
D8 9
Q8 12
D Q Q̄ EN
CK 11
EN 1

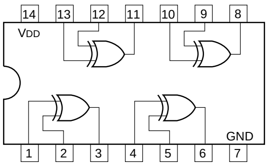
NOTE;

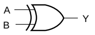
TYPE	V_{DD}
74HC	+2 to +6V
74AC/74VHC	+2 to +5.5V
74ACT/74FCT/74HCT	+4.5 to +5.5V
74LCX	+2 to 3.6V
74LVC	+2.7 to 3.6V

TC74VHC86FS(EL) (TOSHIBA)FLAT PACKAGE

C-MOS QUAD EXCLUSIVE OR GATES

—TOP VIEW—


14 13 12 11 10 9 8
VDD
GND
1 2 3 4 5 6 7



$Y = \overline{A} \cdot B + A \cdot \overline{B}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

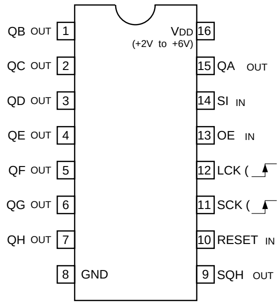
NOTE :

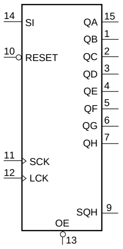
TYPE	V_{DD}
74AC/74VHC	+2 to +5.5V
74ACT/74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
OTHER TYPES	+2 to +6V

SN74HC595ADB-E05 (TI)FLAT PACKAGE(SMALL)
SN74HC595ANS-E05 (TI)FLAT PACKAGE

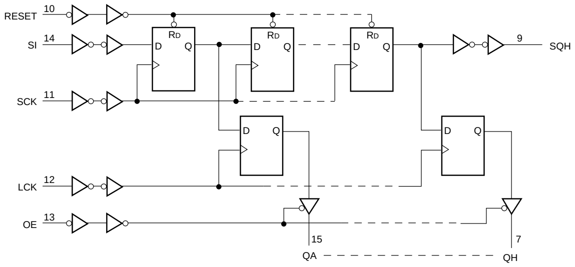
C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT

—TOP VIEW—


QB OUT 1
QC OUT 2
QD OUT 3
QE OUT 4
QF OUT 5
QG OUT 6
QH OUT 7
8 GND
VDD (+2V to +6V) 16
15 QA OUT
14 SI IN
13 OE IN
12 LCK ( ) IN
11 SCK ( ) IN
10 RESET IN
9 SQH OUT


14 SI
10 RESET
11 SCK
12 LCK
OE
13
QA 15
QB 1
QC 2
QD 3
QE 4
QF 5
QG 6
QH 7
SQH 9

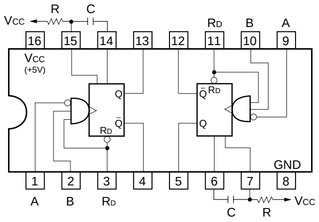
OE	;	OUTPUT ENABLE INPUT
LCK	;	LATCH CLOCK INPUT
SCK	;	SHIFT CLOCK INPUT
RESET	;	SHIFT-REGISTER RESET INPUT
SI	;	SERIAL IN
QA-QH	;	PARALLEL OUTPUT
SQH	;	SERIAL OUT


RESET 10
SI 14
SCK 11
LCK 12
OE 13
RD
D
Q
9
SQH
15
QA
7
QH

SN74LS123NS-E05 (TI)FLAT PACKAGE

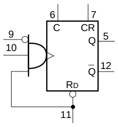
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET

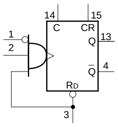
—TOP VIEW—


VCC
R
C
RD
B
A
16
15
14
13
12
11
10
9
VCC (+5V)
Q
RD
GND
1
2
3
4
5
6
7
8
A
B
RD
C
R
VCC

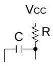
INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE


6
7
C
CR
9
10
Q
5
$\overline{Q}$
12
RD
11

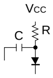

14
15
C
CR
1
2
Q
13
$\overline{Q}$
4
RD
3

OUTPUT PULSE WIDTH



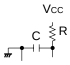
'123 ;$T_W=0.28\left(1+\frac{700}{R}\right)CR$

'L123;$T_W=0.33\left(1+\frac{700}{R}\right)CR$



'123 ;$T_W=0.25\left(1+\frac{700}{R}\right)CR$

'L123;$T_W=0.29\left(1+\frac{700}{R}\right)CR$

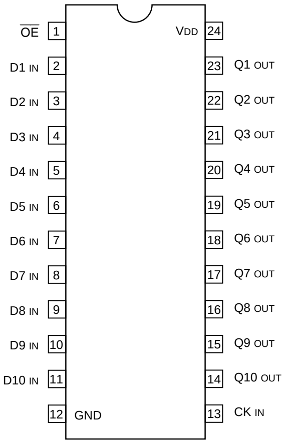


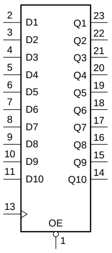
'LS123;$T_W=0.45CR$

SN74LVC821APW-E05 (TI)FLAT PACKAGE

C-MOS 10-BIT BUS INTERFACE FLIP-FLOPS WITH 3-STATE OUTPUTS

—TOP VIEW—


$\overline{OE}$ 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
D9 IN 10
D10 IN 11
12 GND
VDD 24
23 Q1 OUT
22 Q2 OUT
21 Q3 OUT
20 Q4 OUT
19 Q5 OUT
18 Q6 OUT
17 Q7 OUT
16 Q8 OUT
15 Q9 OUT
14 Q10 OUT
13 CK IN


2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
9 D8
10 D9
11 D10
13
OE
1
Q1 23
Q2 22
Q3 21
Q4 20
Q5 19
Q6 18
Q7 17
Q8 16
Q9 15
Q10 14

FUNCTION TABLE (EACH FLIP-FLOP)

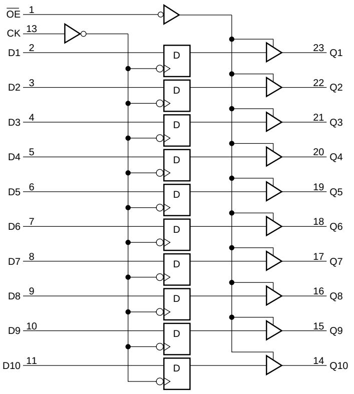
INPUTS			OUTPUTS
OE	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	×	Q_0
1	×	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

NOTE:

TYPE	VDD
74LVC	+2 to +3.6 V
OTHER TYPES	+5 V

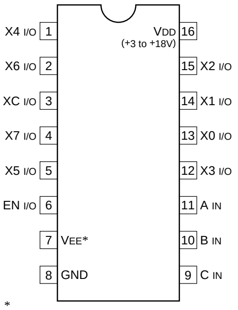
LOGIC DIAGRAM (POSITIVE LOGIC)

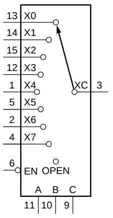

$\overline{OE}$ 1
CK 13
D1 2
D2 3
D3 4
D4 5
D5 6
D6 7
D7 8
D8 9
D9 10
D10 11
D
23 Q1
22 Q2
21 Q3
20 Q4
19 Q5
18 Q6
17 Q7
16 Q8
15 Q9
14 Q10

TC4051BFS(EL) (TOSHIBA)FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

-TOP VIEW-


X4 I/O 1
X6 I/O 2
XC I/O 3
X7 I/O 4
X5 I/O 5
EN I/O 6
7 VEE*
8 GND
VDD (+3 to +18V) 16
15 X2 I/O
14 X1 I/O
13 X0 I/O
12 X3 I/O
11 A IN
10 B IN
9 C IN


13 X0
14 X1
15 X2
12 X3
1 X4
5 X5
2 X6
4 X7
6 EN OPEN
A B C
11 10 9
XC 3

CONTROL INPUTS				SELECTED CHANNEL
EN	SELECT			
	C	B	A	
0	0	0	0	X0
0	0	0	1	X1
0	0	1	0	X2
0	0	1	1	X3
0	1	0	0	X4
0	1	0	1	X5
0	1	1	0	X6
0	1	1	1	X7
1	X	X	X	OPEN

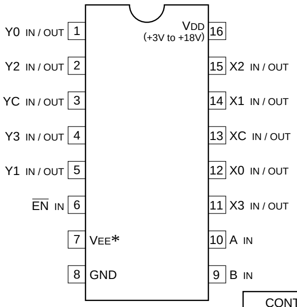
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

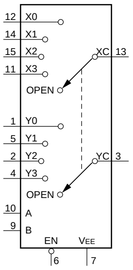
X0 to X7	;	ANALOG INPUTS/OUTPUTS
XC	;	COMMON INPUT/OUTPUT
A,B,C	;	CHANNEL SELECT INPUT
EN	;	ENABLE INPUT

*
V_{EE} ; $V_{DD}-V_{EE}$=+3 to +18V

TC4052BFS(ELQ) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS / DEMULTIPLEXERS
-TOP VIEW-


Y0 IN / OUT 1
Y2 IN / OUT 2
YC IN / OUT 3
Y3 IN / OUT 4
Y1 IN / OUT 5
EN IN 6
7 VEE*
8 GND
VDD (+3V to +18V) 16
15 X2 IN / OUT
14 X1 IN / OUT
13 XC IN / OUT
12 X0 IN / OUT
11 X3 IN / OUT
10 A IN
9 B IN


12 X0
14 X1
15 X2
11 X3
XC 13
OPEN
1 Y0
5 Y1
2 Y2
4 Y3
YC 3
OPEN
10 A
9 B
EN
VEE
6
7

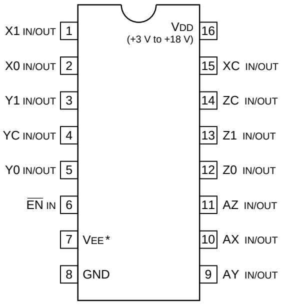
VEE*; VDD – VEE = +3V to +18V

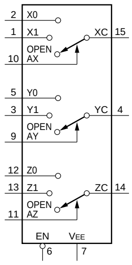
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE

CONTROL INPUTS			"ON" CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	×	×	OPEN

TC4053BFS-EL (TOSHIBA)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS
— TOP VIEW —


X1 IN/OUT 1
X0 IN/OUT 2
Y1 IN/OUT 3
YC IN/OUT 4
Y0 IN/OUT 5
EN IN 6
7 VEE*
8 GND
VDD (+3 V to +18 V) 16
15 XC IN/OUT
14 ZC IN/OUT
13 Z1 IN/OUT
12 Z0 IN/OUT
11 AZ IN/OUT
10 AX IN/OUT
9 AY IN/OUT


2 X0
1 X1
XC 15
OPEN
10 AX
5 Y0
3 Y1
YC 4
OPEN
9 AY
12 Z0
13 Z1
ZC 14
OPEN
11 AZ
EN
VEE
6
7

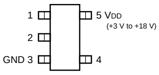
VEE*; VDD – VEE + 3 V + 18 V

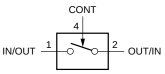
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

CONT. INPUTS		ON CHANNEL
EN	A (X, Y, Z)	
0	0	0
0	1	1
1	X	OPEN

TC4S66F(TE85R) (TOSHIBA)CHIP PACKAGE

C-MOS BILATERAL ANALOG SWITCH
—TOP VIEW—


1
2
GND 3
5 VDD (+3 V to +18 V)
4


CONT
4
IN/OUT
1
2
OUT/IN

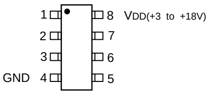
CONT	SWITCH
0	OFF
1	ON

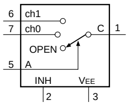
0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4W53FU(TE12R) (TOSHIBA)CHIP PACKAGE

C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER

—TOP VIEW—


1
2
3
GND 4
8 VDD(+3 to +18V)
7
6
5

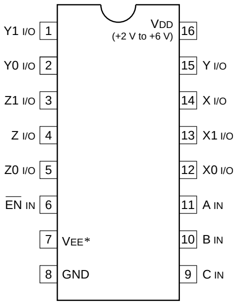

6 ch1
7 ch0
C 1
OPEN
5 A
INH
VEE
2
3

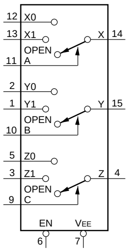
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

CONT.INPUT		ON CHANNEL
INH	A	
0	0	ch0
0	1	ch1
1	X	OPEN

TC74HC4053AFS-EL (TOSHIBA)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
-TOP VIEW-


Y1 I/O 1
Y0 I/O 2
Z1 I/O 3
Z I/O 4
Z0 I/O 5
EN IN 6
7 VEE*
8 GND
VDD (+2 V to +6 V) 16
15 Y I/O
14 X I/O
13 X1 I/O
12 X0 I/O
11 A IN
10 B IN
9 C IN


12 X0
13 X1
X 14
OPEN
11 A
2 Y0
1 Y1
Y 15
OPEN
10 B
5 Z0
3 Z1
Z 4
OPEN
9 C
EN
VEE
6
7

VEE*; VDD – VEE = +3 V to +12 V
VEE ≦ GND

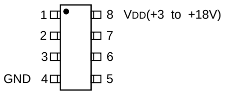
CONTROL INPUTS				ON CHANNEL		
EN	SELECT					
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	×	×	×	OPEN		

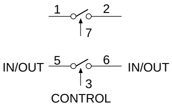
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE

TC4W66FU(TE12R) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL BILATERAL SWITCH

—TOP VIEW—


1
2
3
GND 4
8 VDD(+3 to +18V)
7
6
5

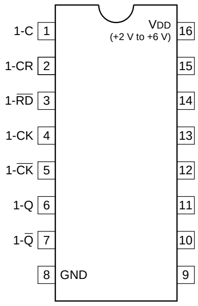

1
2
7
IN/OUT
5
6
IN/OUT
3
CONTROL

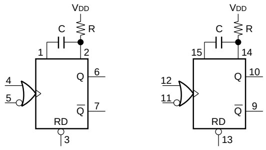
CONTROL	SWITCH
0	OFF
1	ON

0 ; LOW LEVEL
1 ; HIGH LEVEL

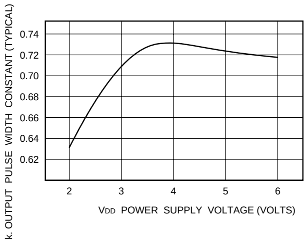
TC74HC4538AFS-EL (TOSHIBA)FLAT PACKAGE

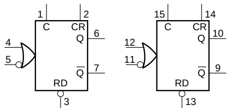
C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
-TOP VIEW -


1-C 1
1-CR 2
1-RD 3
1-CK 4
1-CK 5
1-Q 6
1-Q 7
8 GND
VDD (+2 V to +6 V) 16
15 2-C
14 2-CR
13 2-RD
12 2-CK
11 2-CK
10 2-Q
9 2-Q

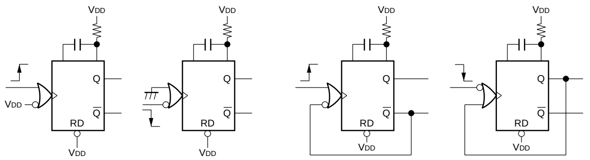


OUTPUT PULSE WIDTH = k · C · R



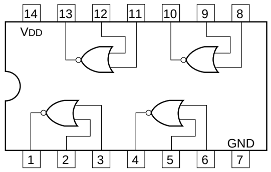


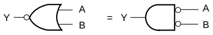
RETRIGGERABLE M. M. V NON-RETRIGGERABLE M. M. V



TC74VHC02FS(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT NOR GATES
—TOP VIEW—


VDD
GND
14 13 12 11 10 9 8
1 2 3 4 5 6 7



$Y = \overline{A+B} = \overline{A} \cdot \overline{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

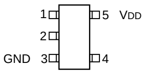
NOTE:

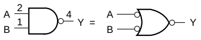
TYPE	VDD
74HC	+2 to +6V
74AC/74VHC	+2 to +5.5V
74HCT/74ACT	+4.5 to +5.5V
74LCX	+2 to +3.6V

TC7S08F(TE85R) (TOSHIBA)CHIP PACKAGE
TC7S08FU(TE85R) (TOSHIBA)FLAT PACKAGE
TC7SH08FU-TE85R (TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

—TOP VIEW—


1
2
GND 3
5 VDD
4



$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

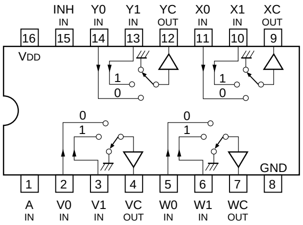
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

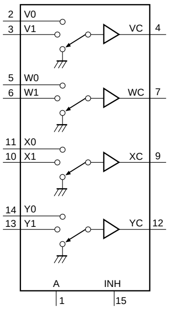
0 ; LOW LEVEL
1 ; HIGH LEVEL

TYPE	VDD
7S08F 7S08FU	+2 to +6V
4S81F 14S81F	+3 to +18V
7SH08FU	–2 to +5.5V

TC74VHC157FS(EL) (TOSHIBA)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/ DEMULTIPLEXER
—TOP VIEW—


INH IN 15
Y0 IN 14
Y1 IN 13
YC OUT 12
X0 IN 11
X1 IN 10
XC OUT 9
VDD 16
GND 8
A IN 1
V0 IN 2
V1 IN 3
VC OUT 4
W0 IN 5
W1 IN 6
WC OUT 7


2 V0
3 V1
VC 4
5 W0
6 W1
WC 7
11 X0
10 X1
XC 9
14 Y0
13 Y1
YC 12
A
INH
1
15

NOTE:

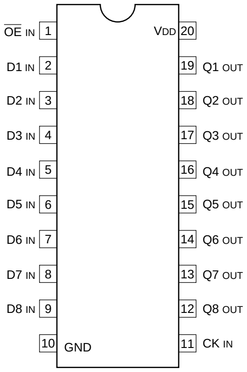
TYPE	VDD
74ACT/74FCT	+5V
TC74AC157P TC74AC157	+2 to +5.5V
TC40H	+2 to +8V
OTHER TYPES	+2 to +6V

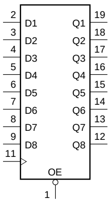
CONT.IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	×	GND

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE

TC74VHC573FS(EL) (TOSHIBA)FLAT PACKAGE

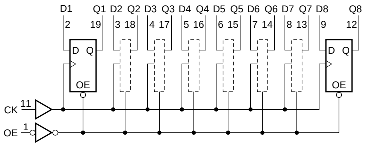
C-MOS 3-STATE OUTPUTS OCTAL LATCH
—TOP VIEW—


OE IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
10 GND
VDD 20
19 Q1 OUT
18 Q2 OUT
17 Q3 OUT
16 Q4 OUT
15 Q5 OUT
14 Q6 OUT
13 Q7 OUT
12 Q8 OUT
11 CK IN


D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
OE

INPUT			OUT
OE	CK	D	Q
0	1	1	1
0	1	0	0
0	0	×	Qo
1	×	×	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
Qo ; NO CHANGE

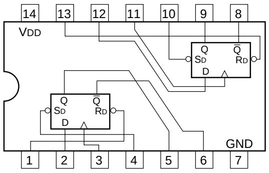

D1 Q1 D2 Q2 D3 Q3 D4 Q4 D5 Q5 D6 Q6 D7 Q7 D8 Q8
D Q
OE
CK 11
OE 1

NOTE :

TYPE	VDD
74HC	+2 to +6V
74ABT 74ACT 74HCT/74VHCT	+5V
74AC/74VHC	+2 to +5.5V

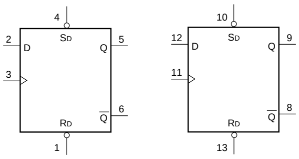
TC74VHC74FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
-TOP VIEW-


VDD
GND
Q
SD
RD
D
14 13 12 11 10 9 8
1 2 3 4 5 6 7

INPUTS				OUTPUTS	
$\overline{S_D}$	$\overline{R_D}$	CK	D	Qn+1	$\overline{Qn+1}$
0	1	×	×	1	0
1	0	×	×	0	1
0	0	×	×	1	1
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	×	Qn	$\overline{Qn}$

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE


4
2 D
SD
5 Q
3
RD
Q 6
1
10
12 D
9 Q
11
Q 8
13

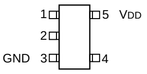
NOTE:

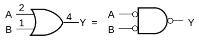
TYPE	VDD
74HCT/74ACT	+4.5 to +5.5V
74LVC	+2.7 to +3.6V
74AC/74VHC	+2 to +5.5V
OTHERS	+2 to +6V

TC7S32FU(TE85R) (TOSHIBA)FLAT PACKAGE
TC7SH32FU-TE85R (TOSHIBA)FLAT PACKAGE

C-MOS 2-INPUT OR GATE

—TOP VIEW—


1
2
GND 3
5 VDD
4



$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

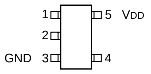
0 ; LOW LEVEL
1 ; HIGH LEVEL

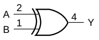
TYPE	VDD
7S32F 7S32FU	+2 to +6V
4S71F	+3 to +18V
7SH32FU	+2 to +5.5V

TC7S86F(TE85R) (TOSHIBA)FLAT PACKAGE

C-MOS 2-INPUT EXCLUSIVE OR GATE

—TOP VIEW—


1
2
GND 3
5 VDD
4



$Y = \overline{A} \cdot B + A \cdot \overline{B}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

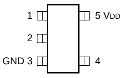
0 ; LOW LEVEL
1 ; HIGH LEVEL

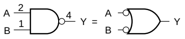
TYPE	VDD
7S86FU 7S86F	+2 to +6V
4S30F	+3 to +18V

TC7S00FU(TE85R) (TOSHIBA)FLAT PACKAGE
TC7SH00FU-TE85R (TOSHIBA)FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

— TOP VIEW —


1
2
GND 3
5 VDD
4



$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

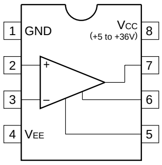
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TYPE	VDD
7S00F 7S00FU	+2 to +6 V
4S11F 4SU11F	+3 to +18 V
7SH00FU	+2 to +5.5 V

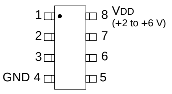
UPC311G2-E2 (NEC)FLAT PACKAGE

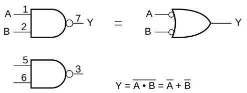
VOLTAGE COMPARATOR
-TOP VIEW-


1
GND
2
3
4
VEE
VCC
(+5 to +36V)
8
7
6
5
+
–

TC7W00FU(TE12R) (TOSHIBA)

C-MOS DUAL 2-INPUT NAND GATE
—TOP VIEW—


1
2
3
GND 4
8 VDD
(+2 to +6 V)
7
6
5


A
B
1
2
7
Y
=
A
B
Y
5
6
3

$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

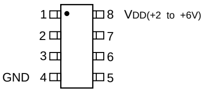
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

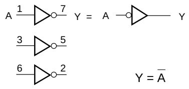
0 ; LOW LEVEL
1 : HIGH LEVEL

TC7W04FU(TE12R) (TOSHIBA)FLAT PACKAGE

C-MOS HEX INVERTERS

—TOP VIEW—


1
2
3
GND 4
8 VDD(+2 to +6V)
7
6
5


A
1
7
Y =
A
Y
3
5
6
2

$Y = \overline{A}$

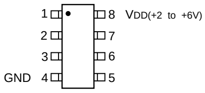
A	Y
0	1
1	0

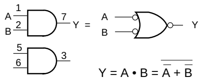
0 ; LOW LEVEL
1 ; HIGH LEVEL

TC7W08FU(TE12R) (TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

—TOP VIEW—


1
2
3
GND 4
8 VDD(+2 to +6V)
7
6
5


A
B
1
2
7
Y =
A
B
Y
5
6
3

$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

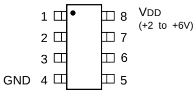
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

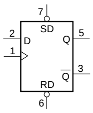
0 ; LOW LEVEL
1 ; HIGH LEVEL

TC7W74F(TE12R) (TOSHIBA)
TC7W74FU(TE12R) (TOSHIBA)CHIP PACKAGE

C-MOS D-TYPE FLIP-FLOPS WITH DIRECT SET / RESET
—TOP VIEW—

—TOP VIEW—


1
2
3
GND 4
8
7
6
5
VDD
(+2 to +6V)

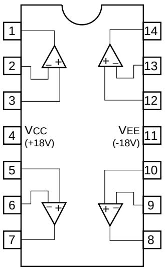

7
SD
2
D
1
Q
5
Q
3
RD
6

INPUTS				OUTPUTS	
$\overline{S_D}$	$\overline{R_D}$	CK	D	Qn+1	$\overline{Qn+1}$
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1	1
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	↓	X	Qn	$\overline{Qn}$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

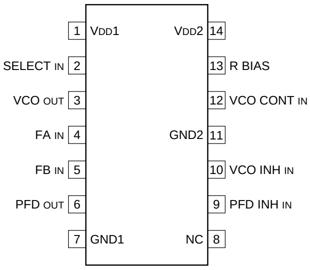
TL064CPW-E05 (TI)FLAT PACKAGE

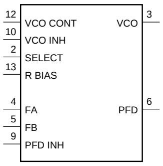
OPERATIONAL AMPLIFIER
(J FET INPUT)
—TOP VIEW—


1
2
3
4
5
6
7
14
13
12
11
10
9
8
VCC (+18V)
VEE (-18V)

TLC2932IPW-E20 (TI)

C-MOS VCO AND PHASE FREQUENCY DETECTOR
—TOP VIEW—


1 VDD1
SELECT IN 2
VCO OUT 3
FA IN 4
FB IN 5
PFD OUT 6
7 GND1
VDD2 14
13 R BIAS
12 VCO CONT IN
GND2 11
10 VCO INH IN
9 PFD INH IN
NC 8


12 VCO CONT
10 VCO INH
2 SELECT
13 R BIAS
4 FA
5 FB
9 PFD INH
VCO 3
PFD 6

VDD1, 2 ; +3 or +5V
VDD1 ; FOR LOGIC
VDD2 ; FOR VCO
GND1 ; FOR LOGIC
GND2 ; FOR VCO

INPUT

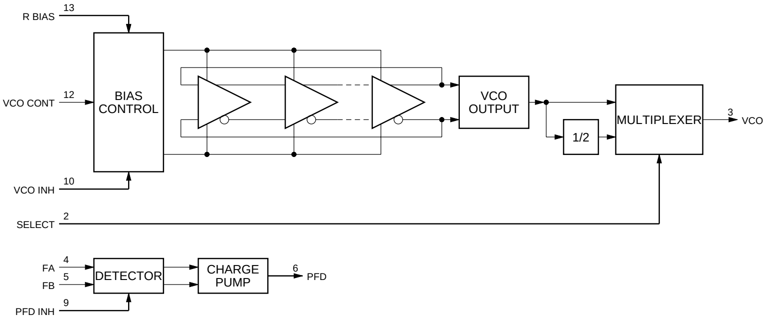
FA ; REFERENCE FREQUENCY
FB ; INPUT FREQUENCY FROM OUTSIDE COUNTER
PFD INH ; PFD INHIBIT
SELECT ; VCO OUTPUT FREQUENCY SELECT
VCO CONT ; VCO CONTROL VOLTAGE
VCO INH ; VCO INHIBIT

OUTPUT

PFD ; PHASE FREQUENCY DETECTOR
VCO ; VOLTAGE CONTROLLED OSCILLATOR

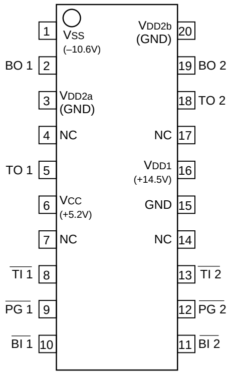
OTHER

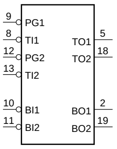
R BIAS ; BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING

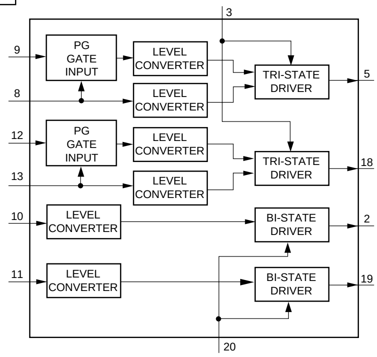

R BIAS 13
VCO CONT 12
VCO INH 10
SELECT 2
BIAS CONTROL
VCO OUTPUT
1/2
MULTIPLEXER
3 VCO
FA 4
FB 5
PFD INH 9
DETECTOR
CHARGE PUMP
6 PFD

UPD16502GS-E2 (NEC)FLAT PACKAGE

C-MOS CCD DRIVER
—TOP VIEW—

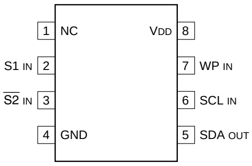

1 VSS (–10.6V)
BO 1 2
3 VDD2a (GND)
4 NC
TO 1 5
6 VCC (+5.2V)
7 NC
TI 1 8
PG 1 9
BI 1 10
VDD2b (GND) 20
19 BO 2
18 TO 2
NC 17
VDD1 (+14.5V) 16
GND 15
NC 14
13 TI 2
12 PG 2
11 BI 2


9 PG1
8 TI1
12 PG2
13 TI2
10 BI1
11 BI2
TO1 5
TO2 18
BO1 2
BO2 19


3
9
8
12
13
10
11
PG GATE INPUT
PG GATE INPUT
LEVEL CONVERTER
TRI-STATE DRIVER
TRI-STATE DRIVER
BI-STATE DRIVER
BI-STATE DRIVER
5
18
2
19
20

X24645S8C7000 (XICOR)(64 K-BIT)
X24C02S-3.0-C7000 (XICOR)(2 K-BIT)

C-MOS SERIAL EEPROM
—TOP VIEW—


1 NC
S1 IN 2
S2 IN 3
4 GND
VDD 8
7 WP IN
6 SCL IN
5 SDA OUT

INPUT

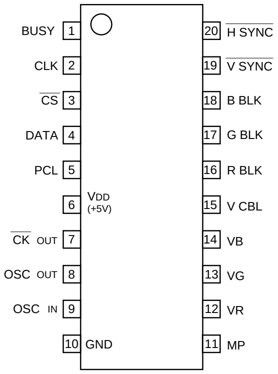
S1, S2 : DEVICE SELECT
SCL : SERIAL CLOCK
WP : WRITE PROTECT

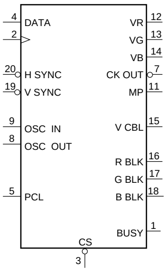
OUTPUT

SDA : SERIAL DATA

UPD6453GT-658-E2 (NEC)FLAT PACKAGE

C-MOS ON-SCREEN CHARACTER DISPLAY
—TOP VIEW—


BUSY 1
CLK 2
CS 3
DATA 4
PCL 5
6 VDD (+5V)
CK OUT 7
OSC OUT 8
OSC IN 9
10 GND
20 H SYNC
19 V SYNC
18 B BLK
17 G BLK
16 R BLK
15 V CBL
14 VB
13 VG
12 VR
11 MP

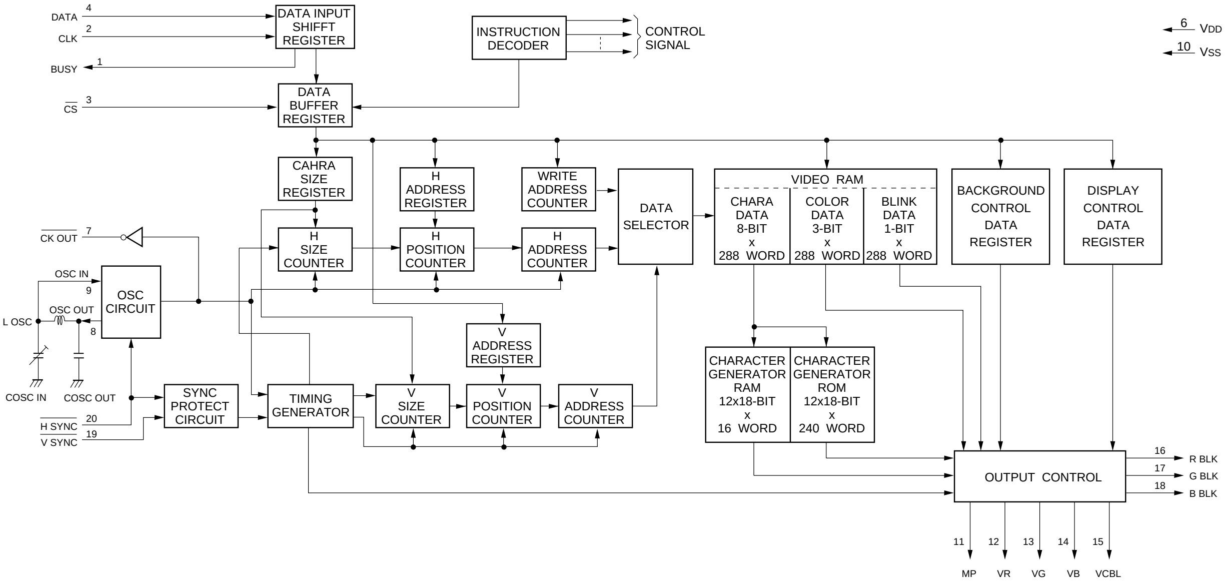

4 DATA
2
20 H SYNC
19 V SYNC
9 OSC IN
8 OSC OUT
5 PCL
VR 12
VG 13
VB 14
CK OUT 7
MP 11
V CBL 15
R BLK 16
G BLK 17
B BLK 18
BUSY 1
CS 3

INPUT

CLK	;	CLOCK
CS	;	CHIP SELECT
DATA	;	SERIAL DATA
H SYNC	;	HORIZONTAL SYNC
OSC IN	;	OSCILLATOR IN
PCL	;	POWER ON CLEAR
V SYNC	;	VERTICAL SYNC

OUTPUT

B_{BLK}, R_{BLK}, G_{BLK}	;	B, R, G, BLANKING
BUSY	;	BUSY OUT
CK OUT	;	CLOCK
MP	;	MASK PULSE
OSC OUT	;	OSCILLATOR OUT
V_R, V_G, V_B	;	R, G, B, CHARACTER DATA
V_{CBL}	;	VIDEO CUT BLANKING


DATA 4
CLK 2
BUSY 1
CS 3
DATA INPUT SHIFFT REGISTER
INSTRUCTION DECODER
CONTROL SIGNAL
6 VDD
10 VSS
DATA BUFFER REGISTER
CAHRA SIZE REGISTER
H ADDRESS REGISTER
WRITE ADDRESS COUNTER
DATA SELECTOR
VIDEO RAM
CHARA DATA 8-BIT x 288 WORD
COLOR DATA 3-BIT x 288 WORD
BLINK DATA 1-BIT x 288 WORD
BACKGROUND CONTROL DATA REGISTER
DISPLAY CONTROL DATA REGISTER
CK OUT 7
OSC IN 9
OSC OUT 8
L OSC
COSC IN
COSC OUT
OSC CIRCUIT
H SIZE COUNTER
H POSITION COUNTER
H ADDRESS COUNTER
V ADDRESS REGISTER
H SYNC 20
V SYNC 19
SYNC PROTECT CIRCUIT
TIMING GENERATOR
V SIZE COUNTER
V POSITION COUNTER
V ADDRESS COUNTER
CHARACTER GENERATOR RAM 12x18-BIT x 16 WORD
CHARACTER GENERATOR ROM 12x18-BIT x 240 WORD
OUTPUT CONTROL
16 R BLK
17 G BLK
18 B BLK
11 MP
12 VR
13 VG
14 VB
15 VCBL

SECTION 5
SPARE PARTS

5-1. NOTES ON REPAIR PARTS

(1) Safety Related Components Warning
Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

(2) Standardization of Parts
Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to “accommodating the improved parts and/or engineering changes” or “standardization of genuine parts”.
This manual’s exploded views and electrical spare parts list are indicating the part numbers of “the standardized genuine parts at present” .

(3) Stock of Parts
Parts marked with “o” SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with “o” will be processed, but allow for additional delivery time.

(4) Units for Capacitors, Inductors and Resistors
The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors : µF
Inductors : µH
Resistors : Ω

5-1. 補修用部品注意事項

(1) 安全重要部品

⚠警告

⚠印のついた部品は安全性を維持するために重要な部品です。したがって，交換する時は必ず指定の部品を使ってください。

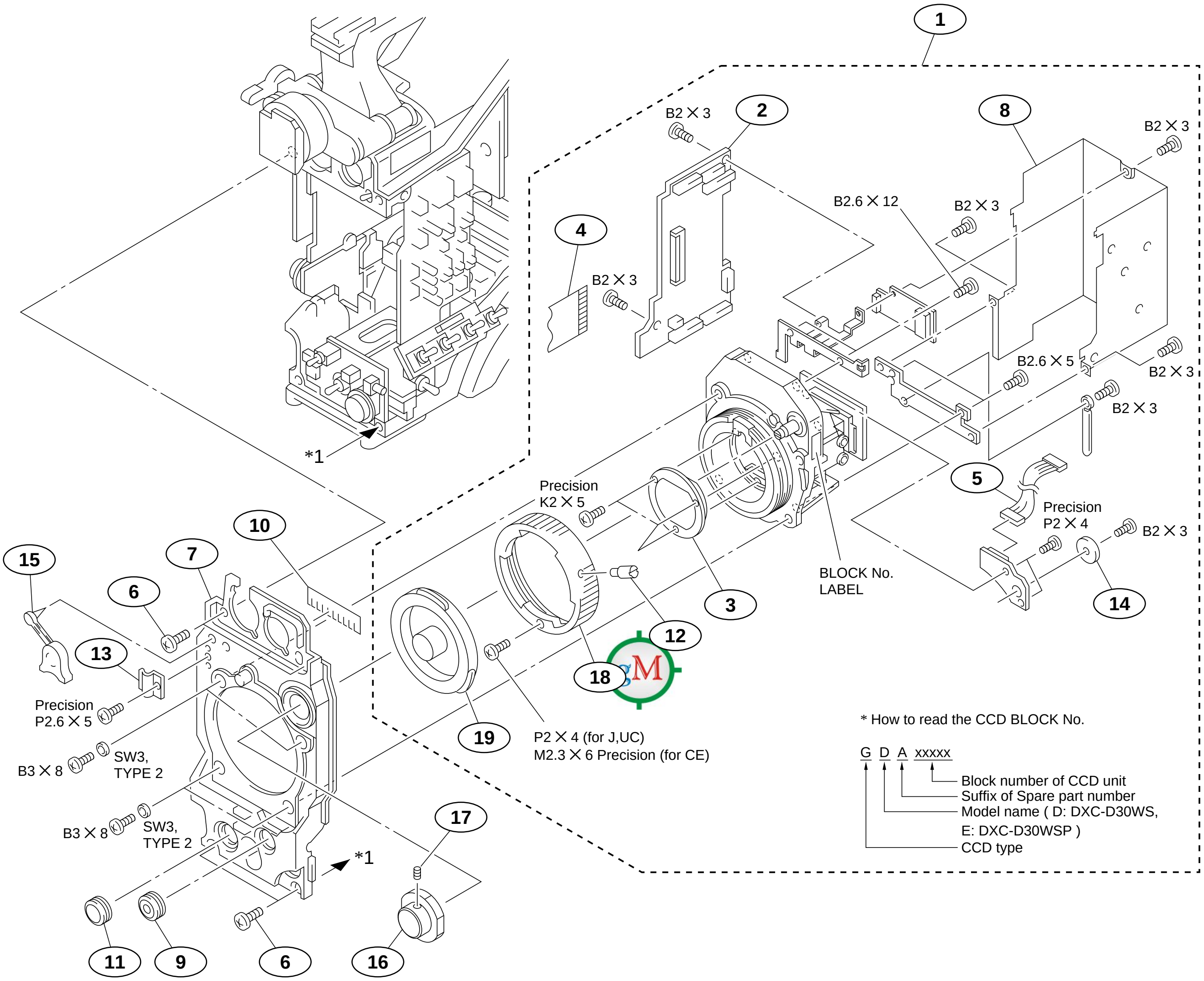
(2) 部品の共通化
ソニーから供給される部品は，セットに実装されているものと異なることがあります。これは部品の共通化，改良等によるものです。
分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の在庫
部品表のSP (Supply code) 欄にoで示される部品は交換頻度が低い部品ですので在庫していないことがあり，納期が長くなることがあります。

(4) コンデンサー，インダクター，抵抗の単位
回路図，分解図，電気部品表中，特に明記したものを除き，下記の単位は省略されています。

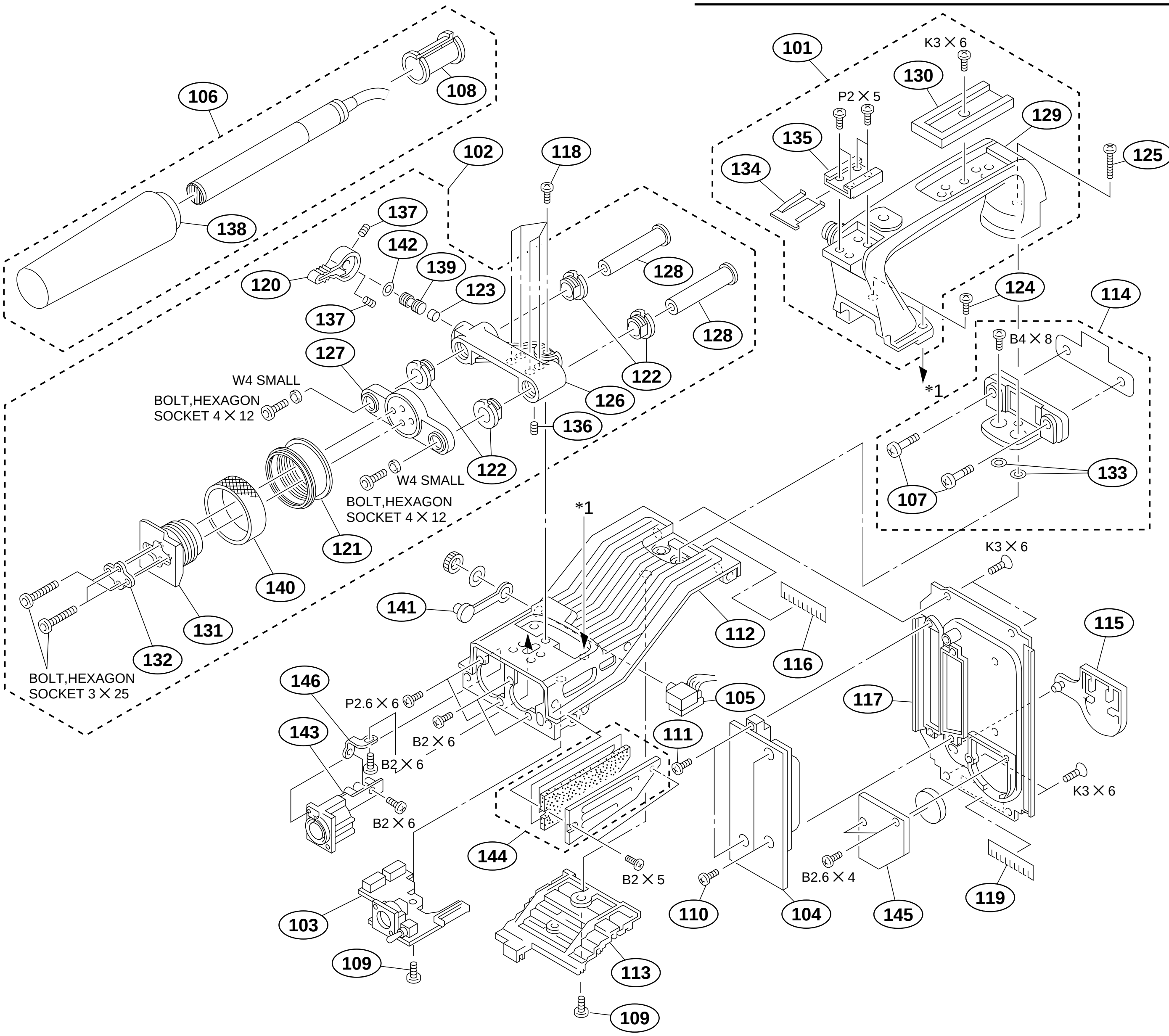
コンデンサー : µF
インダクター : µH
抵抗 : Ω

5-2. EXPLODED VIEWS


1
B2 × 3
2
8
B2 × 3
4
B2 × 3
B2.6 × 12
B2 × 3
B2.6 × 5
B2 × 3
B2 × 3
*1
Precision
K2 × 5
5
Precision
P2 × 4
B2 × 3
10
15
7
6
13
BLOCK No.
LABEL
3
14
12
18
Precision
P2.6 × 5
19
P2 × 4 (for J,UC)
M2.3 × 6 Precision (for CE)
B3 × 8
SW3,
TYPE 2
B3 × 8
SW3,
TYPE 2
*1
17
11
9
6
16
* How to read the CCD BLOCK No.
G D A xxxxx
Block number of CCD unit
Suffix of Spare part number
Model name (D: DXC-D30WS,
E: DXC-D30WSP)
CCD type

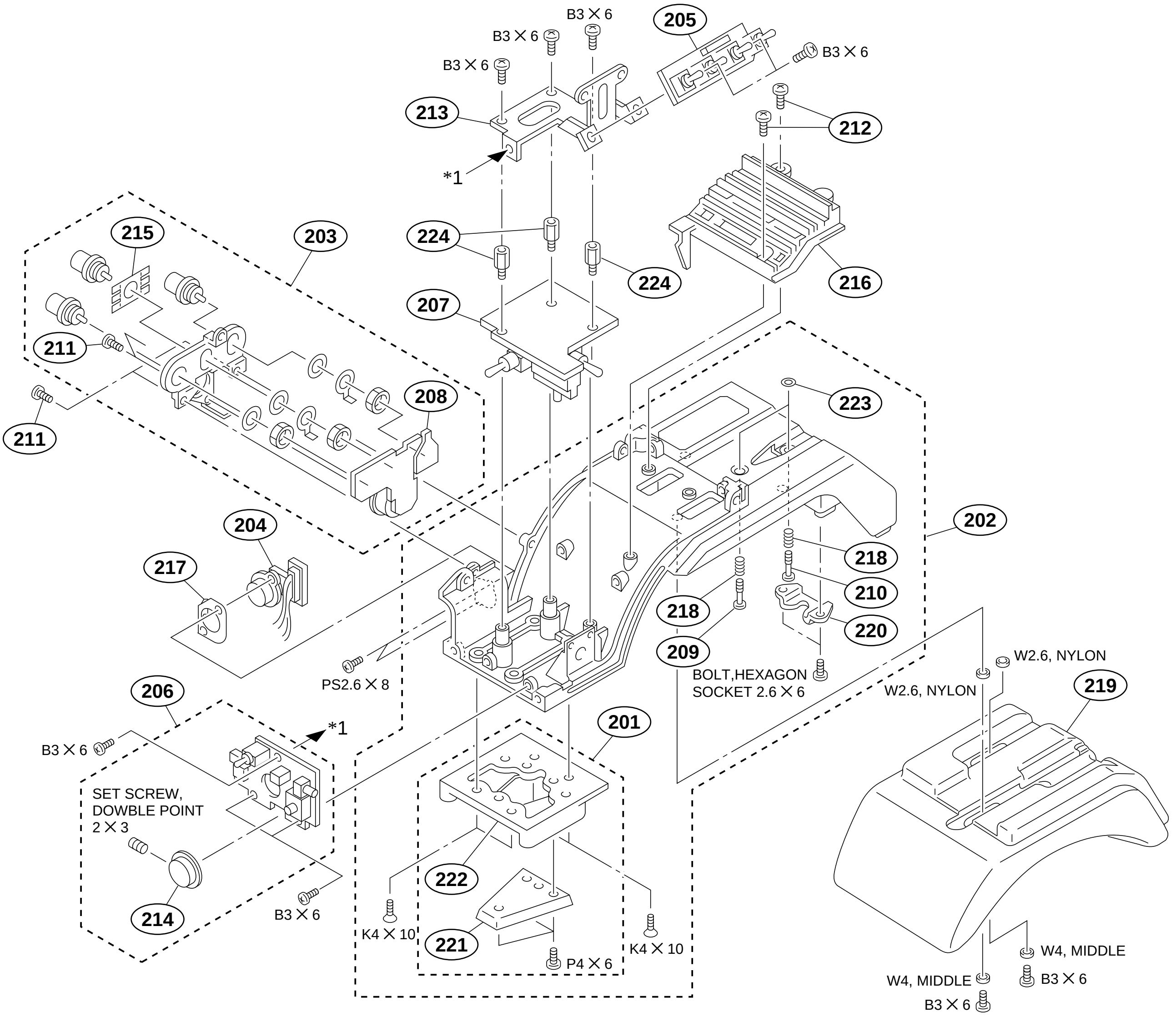
No.	Part No.	SP	Description
1	A-8317-818-A	s	CCD UNIT CD30WS(UC)(J) (for J,UC)
	A-8317-819-A	s	CCD UNIT CD30WS(CE) (for CE)
2	A-8317-676-A	o	MOUNTED CIRCUIT BOARD, TG-197
3	1-758-131-11	o	FILTER UNIT, OPTICAL
4	1-777-768-11	s	WIRE, FLAT TYPE (30-CORE)
5	1-956-512-11	o	HARNESS, SUB (FL)
6	3-178-214-21	s	SCREW (M3X10), +B
7	3-604-362-01	o	PANEL, FRONT
8	3-612-293-01	o	CASE, SHIELD(W)
9	3-604-391-01	o	COVER, SW(M)
10	3-604-394-01	o	FINGER, SHIELD(A)
11	3-672-221-02	s	PACKING, CONTROL
12	3-678-629-00	s	LEVER, MOUNT
13	3-678-684-00	o	HOLDER, CABLE
14	3-686-191-01	o	PLATE, FILTER-ID
15	3-686-269-02	s	STOPPER, MOUNT
16	3-688-781-02	s	KNOB, FILTER
17	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
18	3-708-987-01	s	RING, BAYONET (for J, UC)
	3-708-651-01	s	RING, BAYONET (for CE)
19	3-699-048-01	s	CAP, MOUNT

HANDLE BLOCK (1) AND MICROPHONE


106
108
138
102
118
137
142
120
139
123
137
128
128
127
126
122
W4 SMALL
BOLT,HEXAGON
SOCKET 4 × 12
136
122
W4 SMALL
BOLT,HEXAGON
SOCKET 4 × 12
121
140
131
132
BOLT,HEXAGON
SOCKET 3 × 25
*1
141
101
K3 × 6
130
P2 × 5
129
135
125
134
124
114
B4 × 8
*1
107
133
K3 × 6
112
116
115
105
146
P2.6 × 6
143
B2 × 6
B2 × 6
B2 × 6
111
117
K3 × 6
144
B2 × 5
B2.6 × 4
119
103
110
104
145
109
113
109

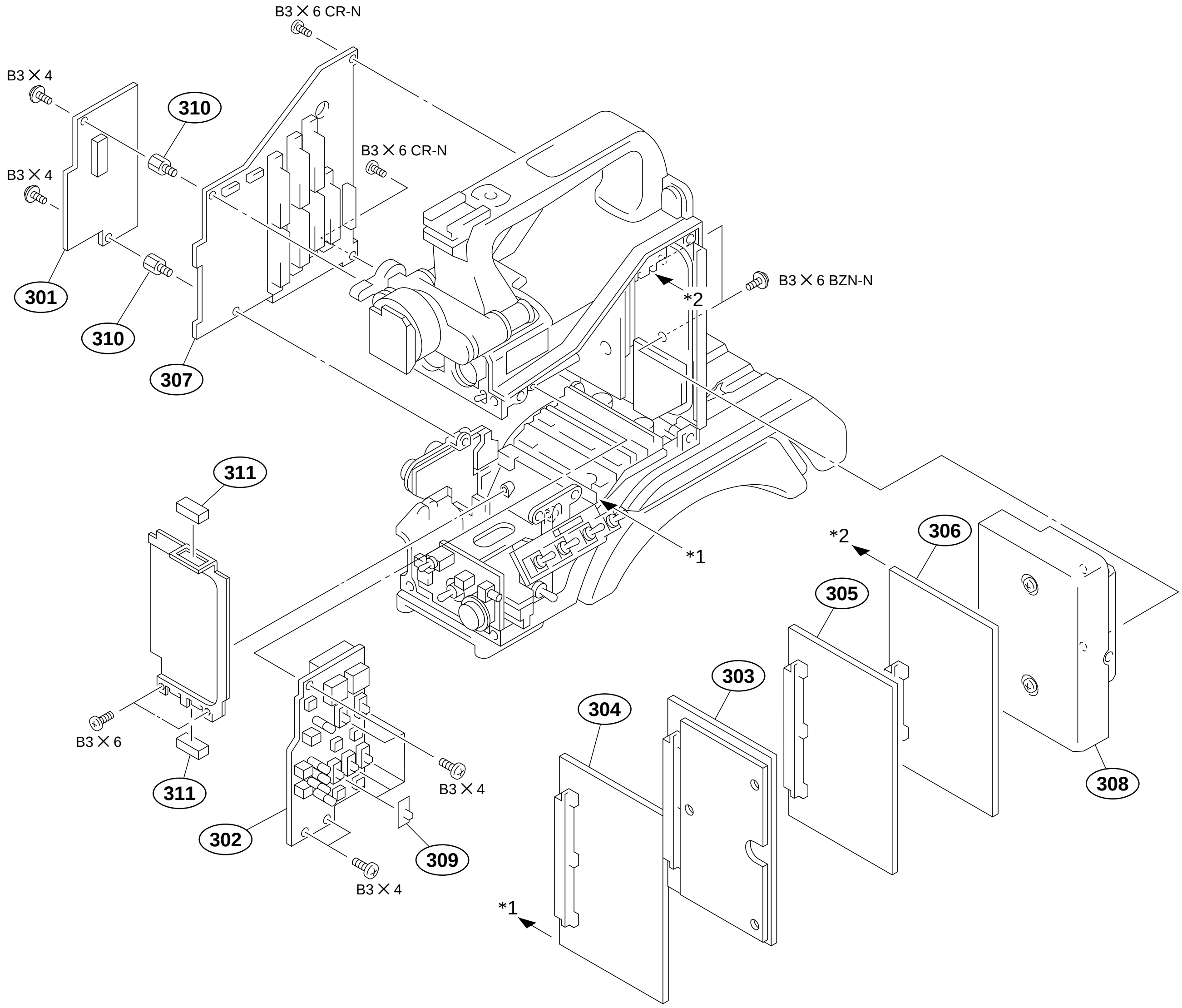
No.	Part No.	SP	Description
101	A-8278-380-A	s	HANDLE ASSY
102	A-8278-420-A	o	VF SLIDE ASSY(5)
103	A-8317-673-A	o	MOUNTED CIRCUIT BOARD, CN-1594
104	A-8311-134-A	o	MOUNTED CIRCUIT BOARD, CN-1294
105	A-8311-136-A	o	MOUNTED CIRCUIT BOARD, CN-1349
106	1-542-296-21	o	MICROPONE
107	3-175-715-02	s	SCREW, FITTING ADAPTOR
108	3-179-882-01	o	SPACER, MICROPONE
109	3-370-475-21	s	SCREW (NYLOCK +B 3X6)
110	3-603-959-01	s	NYLOK SCREW +B2.6
111	3-603-960-01	s	NYLOK SCREW +B2
112	3-604-363-12	o	CHASSIS, TOP
113	3-612-257-01	o	PB RAIL, UPPER
114	A-8278-397-C	o	HANDLE SPACER ASSY
115	3-604-393-01	s	COVER, BATTERY
116	3-604-394-01	o	FINGER, SHIELD(A)
117	3-604-407-02	o	CHASSIS, REAR
118	3-604-408-01	s	BOLT, HEXAGON SOCKET(NYLOCK 4X10)
119	3-604-451-01	o	FINGER, SHIELD(C)
120	3-673-046-00	s	LEVER, LOCK
121	3-679-543-11	o	RING(D), LOCK
122	3-679-684-01	o	REST, ARM
123	3-679-702-01	o	CUSION, STOPPER

No.	Part No.	SP	Description
124	3-685-694-01	s	NYLOCK +PSW M4X12
125	3-685-694-21	s	NYLOCK +PSW M4X18
126	3-686-195-11	o	SLIDE BASE, VF
127	3-686-196-02	o	RETAINER, VF SHOE
128	3-686-197-01	o	ARM,SLIDE
129	3-686-253-03	o	HANDLE
130	3-686-254-01	o	PLATE, BLIND
131	3-686-261-03	s	SHOE3, VF SLIDE
132	3-687-070-01	o	WASHER, SHOE
133	3-687-116-01	o	WASHER(4), STOPPER
134	3-688-754-11	s	SPRING, SHOE
135	3-688-755-11	s	SHOE, ACCESSORY
136	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
137	3-701-508-00	s	SET SCREW, DOUBLE POINT 3X6
138	3-709-096-01	o	SCREEN, WIND
139	3-711-794-01	o	PIN, STOPPER
140	3-720-919-01	o	RUBBER, LOCK RING
141	3-849-405-00	s	COVER, EARPHONE JACK
142	3-895-622-01	s	RING (DIA. 5), O
143	A-8317-675-A	o	MOUNTED CIRCUIT BOARD, CN-1595
144	X-3604-501-1	o	TOP COVER ASSY
145	1-663-024-12	o	PRINTED CIRCUIT BOARD, BP-30
146	3-612-269-01	o	PLATE, FIXED CN


B3 × 6
B3 × 6
205
B3 × 6
B3 × 6
213
212
*1
215
203
224
224
207
216
211
223
208
211
204
202
217
218
210
218
220
209
PS2.6 × 8
BOLT,HEXAGON
SOCKET 2.6 × 6
W2.6, NYLON
W2.6, NYLON
219
206
*1
201
B3 × 6
SET SCREW,
DOWBLE POINT
2 × 3
222
214
B3 × 6
K4 × 10
221
P4 × 6
K4 × 10
W4, MIDDLE
B3 × 6
W4, MIDDLE
B3 × 6

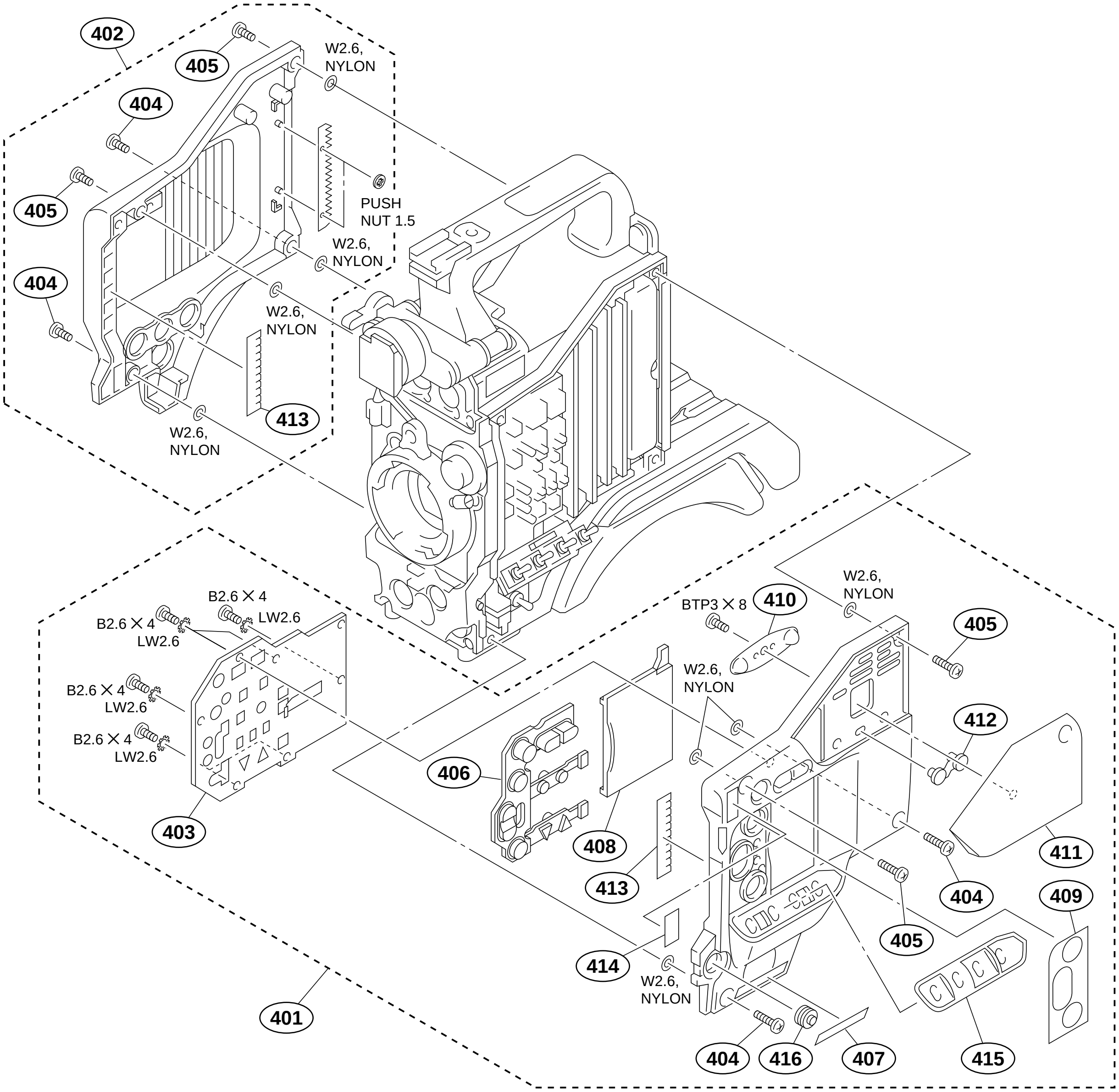
No.	Part No.	SP	Description
201	A-7612-352-E	s	V SHOE (A) ASSY
202	A-8278-241-B	o	BASE CHASSIS ASSY
203	A-8317-835-A	o	MOUNTED CIRCUIT BOARD, CN-1684 (For UC, CE)
	A-8317-836-A	o	MOUNTED CIRCUIT BOARD, CN-1684J (For J)
204	A-8311-102-A	o	MOUNTED CIRCUIT BOARD, CN-1194
205	A-8311-115-A	o	MOUNTED CIRCUIT BOARD, SW-791
206	A-8311-131-A	o	MOUNTED CIRCUIT BOARD, SW-792
207	A-8311-132-A	o	MOUNTED CIRCUIT BOARD, SW-793
208	1-663-030-11	o	PRINTED CIRCUIT BOARD, CN-1410 (For UC, CE)
	1-663-029-11	o	PRINTED CIRCUIT BOARD, CN-1409(J) (For J)
209	3-175-715-02	s	SCREW, FITTING ADAPTOR
210	3-175-715-31	s	SCREW, FITTING ADAPTOR

No.	Part No.	SP	Description
211	3-178-214-01	s	SCREW (M3X6), +B
212	3-370-475-21	s	SCREW (NYLOCK +B 3X6)
213	3-604-383-01	o	BRACKET, SW
214	3-604-390-01	s	KNOB, VR
215	3-604-416-01	o	FINGER, SHIELD(CN)
216	3-612-271-01	o	PB RAIL, LOWER
217	3-687-194-01	o	SPRING 2
218	3-694-121-01	s	SPRING, COMPRESSION
219	3-694-122-02	s	PAD, SHOULDER
220	3-711-703-01	o	STOPPER
221	3-716-391-01	o	WEDGE, MOUNTING
222	3-729-065-04	s	SHOE (A), CAMERA
223	3-892-114-00	s	RING (DIA. 3), O
224	3-608-159-01	o	BOSS (M3, H=8)


B3 × 6 CR-N
B3 × 4
310
B3 × 6 CR-N
B3 × 4
B3 × 6 BZN-N
*2
301
310
307
311
*1
*2
306
305
303
304
308
B3 × 6
B3 × 4
311
302
309
B3 × 4
*1

No.	Part No.	SP	Description
301	A-8317-681-A	o	MOUNTED CIRCUIT BOARD, AT-125
302	A-8311-119-A	o	MOUNTED CIRCUIT BOARD, SW-790
303	A-8317-650-A	o	MOUNTED CIRCUIT BOARD, PR-240
304	A-8317-671-A	o	MOUNTED CIRCUIT BOARD, VA-185
305	A-8317-652-A	o	MOUNTED CIRCUIT BOARD, IF-700
306	A-8317-678-A	o	MOUNTED CIRCUIT BOARD, ES-22(N) (For J,UC)
	A-8317-688-A	o	MOUNTED CIRCUIT BOARD, ES-22(P) (For CE)
307	A-8317-669-A	o	MOUNTED CIRCUIT BOARD, MB-785
308	1-473-883-21	s	CONVERTER UNIT, DC-DC
309	3-604-357-01	o	KNOB(L), SW
310	3-608-159-01	o	BOSS (M3, H=8)
	3-612-261-01	o	RADIATION RUBBER(W)

CHASSIS BLOCK (2)


402
405
W2.6,
NYLON
404
405
PUSH
NUT 1.5
W2.6,
NYLON
404
W2.6,
NYLON
413
W2.6,
NYLON
B2.6 × 4
LW2.6
B2.6 × 4
LW2.6
B2.6 × 4
LW2.6
B2.6 × 4
LW2.6
403
401
W2.6,
NYLON
BTP3 × 8
410
405
W2.6,
NYLON
412
406
408
413
414
W2.6,
NYLON
411
404
409
405
404
416
407
415

No.	Part No.	SP	Description
401	A-8278-796-A	o	RIGHT PANEL ASSY
402	A-8278-770-A	o	LEFT PANEL ASSY(W)
403	X-3678-738-1	o	PLATE ASSY
404	3-178-214-21	s	SCREW (M3X10), +B
405	3-178-214-41	s	SCREW (M3X14), +B
406	3-604-366-02	s	COVER, SWITCH
407	3-604-371-01	o	LABEL, POWER
408	3-604-380-03	s	DOOR, SIDE
409	3-604-382-01	o	PLATE, ATW-SW
410	3-604-385-02	s	SPRING, PAD
411	3-604-386-01	s	PAD, SIDE
412	3-604-392-03	s	STOPPER
413	3-604-395-01	o	FINGER, SHIELD(B)
414	3-612-701-01	o	LABEL, FILTER(A)
415	X-3678-985-2	o	TOGGLE PLATE ASSY
416	3-676-244-00	s	COVER, SWITCH

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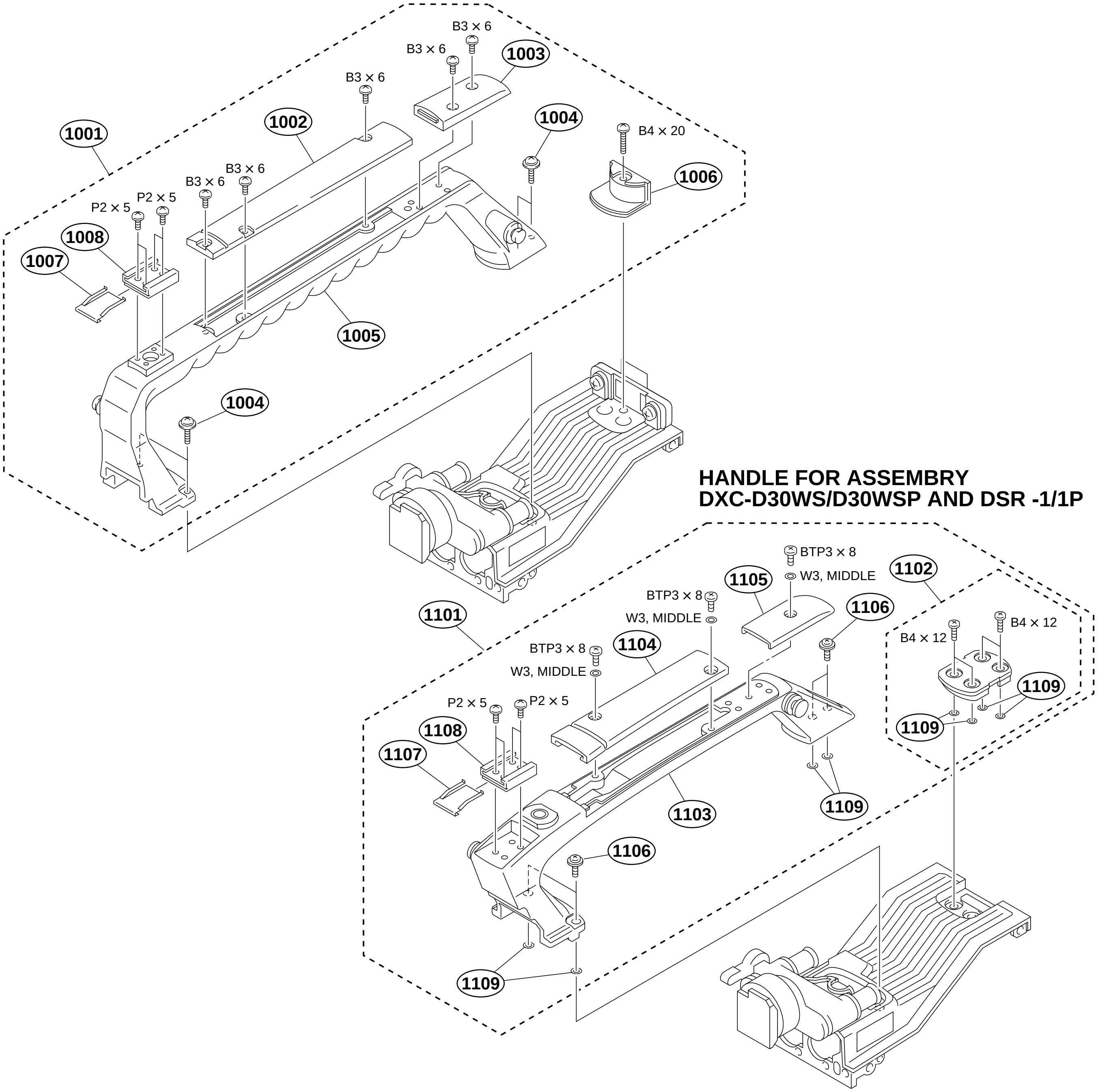
HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND PVV-1/1P

HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND DSR -1/1P


B3 × 6
B3 × 6
1003
B3 × 6
1002
1004
B4 × 20
1001
1006
B3 × 6
B3 × 6
P2 × 5
P2 × 5
1008
1007
1005
1004
BTP3 × 8
W3, MIDDLE
1105
1102
BTP3 × 8
W3, MIDDLE
1106
B4 × 12
B4 × 12
1101
BTP3 × 8
W3, MIDDLE
1104
1109
P2 × 5
P2 × 5
1109
1108
1107
1103
1109
1106
1109

• HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND PVV-1/1P

No.	Part No.	SP	Description
1001	A-8311-272-A	s	HANDLE ASSY (for PVW-D30/D30P)
1002	3-679-035-01	o	LID, HANDLE
1003	3-679-036-01	o	LID, HANDLE(2)
1004	3-685-694-01	s	NYLOCK +PSW M4
1005	3-686-381-04	o	HANDLE,(PVW)
1006	3-686-382-01	s	PLATE, BLIND
1007	3-688-754-11	o	SPRING, SHOE
1008	3-688-755-12	o	SHOE, ACCESSORY

• HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND DSR-1/1P

No.	Part No.	SP	Description
1101	A-8311-936-A	s	HANDLE ASSY (for DSR-130/130P)
1102	A-8278-419-A	s	JOINT PLATE ASSY
1103	3-604-743-01	o	HANDLE(DSR)
1104	3-604-744-01	o	LID, HANDLE(1)
1105	3-604-745-01	o	LID, HANDLE(2
1106	3-604-746-01	s	NYLOCK +PWH 4X12
1107	3-688-754-11	o	SPRING, SHOE
1108	3-688-755-12	o	SHOE, ACCESSORY
1109	3-687-116-01	o	WASHER, 4 STOPPER

5-3. ELECTRICAL PARTS LIST

AT-125 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-681-A	o	MOUNTED CIRCUIT BOARD, AT-125
C101	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C102	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C103	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C104	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C105	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C106	1-162-912-11	s	CERAMIC, CHIP 7PF 0.5PF 50V
C107	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C109	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C110	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C111	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C112	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C113	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C114	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C115	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C116	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C117	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C118	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C119	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C120	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C121	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C122	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C123	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C124	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C125	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C126	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C127	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C128	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C129	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C130	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C131	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C132	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
CN101	1-770-451-21	o	CONNECTOR, 70P
CV1	1-141-373-11	s	CAP, CHIP TRIMMER
D101	8-719-421-69	s	DIODE MA133
D102	8-719-975-40	s	DIODE RB411D
D103	8-719-421-69	s	DIODE MA133
IC101	8-759-421-83	s	IC HD6437034SC81F
IC102	8-759-497-86	o	IC MSM27C822-DXCD30WSV1.00
IC103	8-752-384-37	s	IC CXK58257CTM-70LL-T6
IC104	8-752-384-37	s	IC CXK58257CTM-70LL-T6
IC105	8-759-243-19	s	IC TC7SU04F
IC106	8-759-940-45	s	IC S-8054HN-CB
IC109	8-759-182-95	s	IC HD151015T
IC110	8-759-196-96	s	IC TC7SH08FU-TE85R
IC111	8-759-082-57	s	IC TC7W04FU
IC112	8-759-252-59	s	IC MAX202CSE
IC113	8-759-082-61	s	IC TC4W53FU
IC114	8-759-082-61	s	IC TC4W53FU
L101	1-412-955-11	s	INDUCTOR 22uH
L102	1-412-943-11	s	INDUCTOR 2.2uH
L104	1-412-955-11	s	INDUCTOR 22uH
L105	1-412-955-11	s	INDUCTOR 22uH
Q101	8-729-402-19	s	TRANSISTOR XN6501
Q102	8-729-402-19	s	TRANSISTOR XN6501
R110	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R111	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R112	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R113	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R114	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R115	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R116	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R118	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R121	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R122	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R125	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R126	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R131	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R132	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R134	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R135	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R136	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R137	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R138	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R139	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R140	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R141	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R142	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R143	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R144	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R145	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R146	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R147	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R148	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R149	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R150	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R151	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R152	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R153	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R154	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R163	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R164	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R166	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
RB101	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB102	1-239-426-11	s	RESISTOR BLOCK, CHIP 2.2KX4
RB103	1-239-412-11	s	RESISTOR BLOCK, CHIP 100X4
RB104	1-239-428-11	s	RESISTOR BLOCK, CHIP 3.3KX4
RB105	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB106	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB107	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB108	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
X1	1-760-273-11	s	CRYSTAL 20MHz

(AT-125 BOARD)

BP-30 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-663-024-11	o	PRINTED CIRCUIT BOARD, BP-30
1pc	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-679-11	o	CONTACT, FEMALE
1pc	1-569-680-11	o	HOUSING, 2P
BT701	1-550-414-31	s	HOLDER, BATTERY

CN-1194 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-102-A	o	MOUNTED CIRCUIT BOARD, CN-1194
1pc	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o	HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o	CONTACT, FEMALE
C401	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C402	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C403	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C404	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C405	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C406	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C407	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C408	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C409	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C410	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
CN401	1-562-221-31	s	RECEPTACLE, CONNECTOR 12P
W401	1-956-517-11	o	HARNESS, SUB (CN1194)

CN-1294 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-134-A	o	MOUNTED CIRCUIT BOARD, CN-1294
C801	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
C802	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
C803	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C804	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
C805	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
C806	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
CN801	1-778-658-11	o	CONNECTOR, BOARD TO BOARD 76P
CN802	1-573-120-11	s	CONNECTOR, MULTI 50P
CN803	1-778-659-11	o	PIN, CONNECTOR (PC BOARD) 3P
CN804	1-580-055-21	s	PIN, CONNECTOR 2P
FB801	1-543-775-11	s	FILTER, EMI
FL801	1-236-164-11	s	ENCAPSULATED COMPONENT
IC801	8-759-196-93	s	IC TC7SH00FU-TE85R
IC802	8-759-524-52	s	IC TC74VHC574FT(EL)
IC803	8-759-524-52	s	IC TC74VHC574FT(EL)
L801	1-412-963-11	s	INDUCTOR 100uH
R801	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R802	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
RB801	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB802	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB803	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB804	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB805	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8

CN-1349 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-136-A	o	MOUNTED CIRCUIT BOARD, CN-1349
1pc	1-500-032-11	s	FERRITE 0uH
1pc	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-618-11	o	HOUSING, CONNECTOR 3P
1pc	1-569-679-11	o	CONTACT, FEMALE
C801	1-163-009-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C802	1-163-009-11	s	CERAMIC, CHIP 0.001uF 10% 50V
CN801	1-507-980-41	s	JACK
W801	1-956-518-11	o	HARNESS, SUB (REMOTE)

CN-1409(J) BOARD :For J

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-663-029-11	o	PRINTED CIRCUIT BOARD, CN-1409(J) [for J]
CN604	1-507-858-31	s	JACK, PIN 1P

CN-1410 BOARD :For UC,CE

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-663-030-11	o	PRINTED CIRCUIT BOARD, CN-1410 [for UC,CE]
CN604	1-562-382-31	s	CONNECTOR, BNC

CN-1594 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-673-A	o	MOUNTED CIRCUIT BOARD, CN-1594
C501	1-163-009-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C502	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C503	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C504	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C505	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C506	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C507	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C508	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C509	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C510	1-128-528-11	s	ELECT 470uF 20% 25V
C511	1-107-877-11	s	ELECT 1000uF 20% 10V
CN501	1-565-249-11	o	SOCKET, CONNECTOR 20P FEMALE
CN502	1-764-177-11	o	PIN, CONNECTOR(1.5MM) 7P
CN503	1-506-491-11	s	CONNECTOR, 12P, MALE
CN506	1-566-758-11	o	PIN, CONNECTOR (PC BOARD) 3P
FB501	1-414-135-11	s	INDUCTOR CHIP 0uH
FB502	1-412-978-21	s	INDUCTOR 0.82uH
FB503	1-412-978-21	s	INDUCTOR 0.82uH
FB504	1-412-978-21	s	INDUCTOR 0.82uH
FL501	1-239-077-11	s	FILTER, EMI
IC501	8-759-050-94	s	IC SN74HC165APW-E05
IC503	8-759-049-58	s	IC SN74HC04APW-E05
IC504	8-759-058-62	s	IC TC7S08FU(TE85R)
L503	1-412-955-11	s	INDUCTOR 22uH
Q501	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q502	8-729-216-22	s	TRANSISTOR 2SA1162
R501	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R502	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R503	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R504	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R505	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R506	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R507	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R508	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R509	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R510	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R511	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R512	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R513	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R514	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R515	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R516	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R517	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R518	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R519	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R520	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R521	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R522	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R523	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R524	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
S501	1-762-827-11	s	SWITCH, TOGGLE

CN-1595 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-675-A	o	MOUNTED CIRCUIT BOARD, CN-1595
1pc	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
C901	1-107-561-11	s	FILM, CHIP 0.01uF 5% 50V
C902	1-107-561-11	s	FILM, CHIP 0.01uF 5% 50V
C903	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C904	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C905	1-126-219-11	s	ELECT 3.3uF 20% 63V
C906	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C907	1-126-219-11	s	ELECT 3.3uF 20% 63V
C908	1-126-219-11	s	ELECT 3.3uF 20% 63V
C909	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C910	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C911	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C912	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
CN901	1-764-394-11	s	CONNECTOR, XLR, 3P FEMALE
D901	8-719-800-76	s	DIODE 1SS226
D902	8-719-800-76	s	DIODE 1SS226
FB901	1-414-445-11	s	INDUCTOR CHIP 0uH
FB902	1-414-445-11	s	INDUCTOR CHIP 0uH
FB903	1-414-445-11	s	INDUCTOR CHIP 0uH
IC901	8-759-700-09	s	IC NJM2043M-D
Q901	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R901	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R902	1-216-831-11	s	METAL, CHIP 6.8K 5% 1/16W
R903	1-216-831-11	s	METAL, CHIP 6.8K 5% 1/16W
R904	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R905	1-208-819-11	s	METAL, CHIP 36K 0.50% 1/10W
R906	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R907	1-208-819-11	s	METAL, CHIP 36K 0.50% 1/10W
R908	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R909	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R910	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R911	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
W901	1-958-324-11	o	HARNESS, SUB (HARNESS CN1594)

CN-1684 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-835-A	o	MOUNTED CIRCUIT BOARD, CN-1684
			* CN-1410 BOARD is included. [for UC,CE]
1pc	A-8317-836-A	o	MOUNTED CIRCUIT BOARD, CN-1684J
			* CN-1409 BOARD is included. [for J]
1pc	1-500-111-11	s	CORE
3pcs	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-565-978-11	o	HOUSING, 6P
1pc	1-569-621-11	o	HOUSING, CONNECTOR 12P
2pcs	1-569-679-11	o	CONTACT, FEMALE
1pc	1-569-680-11	o	HOUSING, 2P
1pc	4-352-844-01	s	PIN, LEAD, COATING
1pc	3-604-416-01	o	SHIELD FINGER(CN)
2pcs	7-621-770-87	s	SCREW +B 2.6X5
C602	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C603	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C604	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C605	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C606	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C608	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C609	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C610	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C611	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
CN601	1-565-443-11	o	CONNECTOR, 10P FEMALE
CN602	1-562-382-31	s	CONNECTOR, BNC
CN603	1-561-320-41	s	DIN SOCKET 8P
FB601	1-414-445-11	s	INDUCTOR CHIP 0uH
FB602	1-414-445-11	s	INDUCTOR CHIP 0uH
FB603	1-414-445-11	s	INDUCTOR CHIP 0uH
FB604	1-414-445-11	s	INDUCTOR CHIP 0uH
FB605	1-414-445-11	s	INDUCTOR CHIP 0uH
FB606	1-414-445-11	s	INDUCTOR CHIP 0uH
FB607	1-414-445-11	s	INDUCTOR CHIP 0uH
FB608	1-414-445-11	s	INDUCTOR CHIP 0uH
FB609	1-414-445-11	s	INDUCTOR CHIP 0uH
FL601	1-239-077-11	s	FILTER, EMI
R601	1-216-295-91	s	METAL, CHIP 0 5% 1/10W
W601	1-956-528-11	o	HARNESS, SUB (CN1196-1)
W602	1-958-469-11	o	HARNESS, SUB (1684)
W603	1-956-526-11	o	HARNESS, SUB (LCD)

DUS-139 BOARD :For MB-785 board

Ref. No. or Q'ty	Part No.	SP	Description
IC1	8-759-050-90	s	IC SN74HC158APW-E05
C1	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

DUS-142 BOARD :For ES-22(N)/22(P) board

Ref. No. or Q'ty	Part No.	SP	Description
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
IC2	8-759-058-54	s	IC TC7S00FU(TE85R)
IC3	8-759-447-77	s	IC TC7WH74FU(TE12R)
R2	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R3	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

DUS-142 BOARD :For PR-240 board

Ref. No. or Q'ty	Part No.	SP	Description
C2	1-162-919-11	s	CERAMIC, CHIP 22pF 5% 50V
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
IC2	8-759-196-96	s	IC TC7SH08FU-TE85R
IC3	8-759-447-77	s	IC TC7WH74FU(TE12R)
R2	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R3	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

DUS-143 BOARD :For IF-700 board

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-162-921-11	s	CERAMIC, CHIP 33pF 5% 50V
IC1	8-759-196-95	s	IC TC7SH04FU-TE85R
R1	1-218-831-11	s	METAL, CHIP 220 0.5% 1/16W
R2	1-218-823-11	s	METAL, CHIP 100 0.5% 1/16W

ES-22(N)/22(P) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-678-A	o	MOUNTED CIRCUIT BOARD, ES-22(N) [for DXC-D30WS]
1pc	A-8317-688-A	o	MOUNTED CIRCUIT BOARD, ES-22(P) [for DXC-D30WSP]
C501	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C502	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C503	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C504	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C505	1-115-154-11	s	ELECT 10uF 20% 16V
C506	1-115-154-11	s	ELECT 10uF 20% 16V
C507	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C508	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C509	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C510	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C512	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C513	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V [for DXC-D30WSP]
C514	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C515	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C516	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C518	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C520	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C521	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C522	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C523	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C524	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C525	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C526	1-115-154-11	s	ELECT 10uF 20% 16V
C527	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C528	1-162-925-11	s	CERAMIC, CHIP 68PF 5% 50V [for DXC-D30WS]
C528	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V [for DXC-D30WSP]
C529	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C530	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C531	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C532	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C533	1-135-210-11	s	TANTALUM, CHIP 4.7uF 10% 10V
C534	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C535	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C536	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C537	1-126-395-11	s	ELECT, CHIP 22uF 20% 16V
C538	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C539	1-135-210-11	s	TANTALUM, CHIP 4.7uF 10% 10V
C540	1-126-391-11	s	ELECT, CHIP 47uF 20% 6.3V
C541	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C542	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C543	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C544	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C545	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C546	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C547	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C548	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C549	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C550	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C551	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C552	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C553	1-126-391-11	s	ELECT, CHIP 47uF 20% 6.3V

(ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C554	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C555	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C556	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C557	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C558	1-104-914-11	s	TANTALUM 22uF 20% 16V
C559	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C560	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C561	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C562	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C563	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C564	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C565	1-126-395-11	s	ELECT, CHIP 22uF 20% 16V [for DXC-D30WSP]
C566	1-126-395-11	s	ELECT, CHIP 22uF 20% 16V [for DXC-D30WSP]
C567	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C568	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C569	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C570	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C571	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C573	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C576	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C577	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V [for DXC-D30WS]
C577	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V [for DXC-D30WSP]
C578	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C579	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C580	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C581	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C582	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C583	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C584	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C585	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C586	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C587	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C588	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C589	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C590	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C591	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C592	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C593	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C594	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C595	1-164-739-11	s	CERAMIC, CHIP 560PF 5% 50V
C596	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C597	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C598	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C599	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C600	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C601	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V [for DXC-D30WS]
C601	1-162-918-11	s	CERAMIC, CHIP 18PF 5% 50V [for DXC-D30WSP]
C602	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C603	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C606	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C607	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C608	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V

(ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C609	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C610	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C611	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C612	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C613	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C614	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C615	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C616	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C617	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C618	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C619	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C620	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C621	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C622	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C623	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C624	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C626	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C627	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C628	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C629	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C631	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C632	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C633	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C634	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C635	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C636	1-126-391-11	s	ELECT, CHIP 47uF 20% 6.3V
C637	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V [for DXC-D30WSP]
C638	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C639	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C641	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C642	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C643	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C644	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C645	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C646	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C647	1-162-924-11	s	CERAMIC, CHIP 56PF 5% 50V [for DXC-D30WS]
C647	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V [for DXC-D30WSP]
C648	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C651	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C652	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C653	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C654	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C656	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
CP501	1-760-267-11	s	VCO, CRYSTAL 14.3818MHz [for DXC-D30WS]
CP501	1-760-269-11	s	VCO 17.734475MHz [for DXC-D30WSP]
D501	8-719-059-51	s	DIODE MA3J142E0LSO
D502	8-719-059-51	s	DIODE MA3J142E0LSO
D503	8-719-059-51	s	DIODE MA3J142E0LSO
D504	8-719-059-52	s	DIODE MA3J14300LSO
D505	8-719-029-63	s	DIODE RD4.3UH-T1
D506	8-719-029-63	s	DIODE RD4.3UH-T1
D507	8-719-029-63	s	DIODE RD4.3UH-T1
D508	8-719-029-57	s	DIODE RD2.4UH-T1
D510	8-719-059-52	s	DIODE MA3J14300LSO
D511	8-719-029-55	s	DIODE RD2.0UH-T1

(ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D512	8-719-059-52	s	DIODE MA3J14300LSO
DL501	1-415-761-21	s	DELAY LINE, LC 245ns
DL502	1-415-760-21	s	DELAY LINE, LC 105ns
DL503	1-411-271-21	s	DELAY LINE
DL504	1-411-272-21	s	DELAY LINE
FL501	1-233-342-11	s	FILTER, TRAP
FL502	1-402-647-11	s	DELAY LINE (90ﬂ) (NTSC) [for DXC-D30WS]
FL502	1-402-646-21	s	DELAY LINE (90??)(PAL) [for DXC-D30WSP]
FL503	1-233-737-11	s	FILTER, BANDPASS [for DXC-D30WS]
FL503	1-233-738-11	s	FILTER, BANDPASS [for DXC-D30WSP]
IC501	8-759-234-77	s	IC TC4S66F
IC502	8-759-234-77	s	IC TC4S66F
IC503	8-759-066-61	s	IC TC4053BFS
IC504	8-759-066-61	s	IC TC4053BFS
IC505	8-759-049-58	s	IC SN74HC04APW-E05
IC506	8-759-234-20	s	IC TC7S08F
IC507	8-752-060-98	s	IC CXA1393AN
IC508	8-759-258-43	s	IC LT1253CS8-E2
IC509	8-759-101-12	s	IC UPC311G2
IC510	8-759-086-41	s	IC X24C02S-3.0
IC511	8-759-635-27	s	IC M62352GP
IC512	8-759-059-50	s	IC MB88351PFV
IC513	8-759-031-84	s	IC SC7S04F
IC514	8-759-082-61	s	IC TC4W53FU
IC515	8-752-335-47	s	IC CXD1216M
IC516	8-759-082-61	s	IC TC4W53FU
IC517	8-759-510-71	s	IC BA10358F-E2
IC518	8-759-082-61	s	IC TC4W53FU
IC519	8-759-234-20	s	IC TC7S08F [for DXC-D30WSP]
IC520	8-759-031-84	s	IC SC7S04F
IC521	8-759-049-96	s	IC SN74HC32APW-E20
IC522	8-759-234-20	s	IC TC7S08F
IC523	8-759-031-84	s	IC SC7S04F [for DXC-D30WSP]
IC524	8-752-341-58	s	IC CXD1217Q
IC525	8-759-209-57	s	IC TC4S69F
IC526	8-759-209-57	s	IC TC4S69F [for DXC-D30WSP]
IC527	8-759-209-57	s	IC TC4S69F
IC528	8-759-195-02	s	IC TC7S86F-TE85R
IC529	8-759-510-71	s	IC BA10358F-E2
IC530	8-759-902-88	s	IC SN74LS123NS
IC531	8-759-082-61	s	IC TC4W53FU
IC532	8-759-523-04	s	IC TC74HC4538AFT(EL)
IC533	8-759-112-66	s	IC UPC812G2
IC534	8-759-049-55	s	IC SN74HC00APW-E20
IC535	8-759-185-42	s	IC LM4040AIM3-2.5
IC536	8-759-076-06	s	IC TL064CPW
IC537	8-759-082-61	s	IC TC4W53FU
IC538	8-759-082-61	s	IC TC4W53FU
IC539	8-759-906-59	s	IC CX22017
IC540	8-759-195-02	s	IC TC7S86F-TE85R [for DXC-D30WSP]
IC541	8-759-082-61	s	IC TC4W53FU
IC542	8-759-295-09	s	IC TLC2932IPW-E20 [for DXC-D30WS]
IC543	8-759-031-84	s	IC SC7S04F
IC544	8-759-050-10	s	IC SN74HC163APW-E05 [for DXC-D30WS]
IC546	8-759-050-10	s	IC SN74HC163APW-E05 [for DXC-D30WS]

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Ref. No. or Q'ty	Part No.	SP	Description
IC547	8-759-050-10	s	IC SN74HC163APW-E05 [for DXC-D30WS]
IC548	8-759-209-57	s	IC TC4S69F
L501	1-412-955-11	s	INDUCTOR 22uH
L502	1-412-955-11	s	INDUCTOR 22uH
L503	1-412-955-11	s	INDUCTOR 22uH
L504	1-412-955-11	s	INDUCTOR 22uH
L505	1-412-957-11	s	INDUCTOR 33uH
L506	1-412-959-11	s	INDUCTOR 47uH
L507	1-412-955-11	s	INDUCTOR 22uH
L508	1-412-955-11	s	INDUCTOR 22uH
L509	1-412-955-11	s	INDUCTOR 22uH
L510	1-412-955-11	s	INDUCTOR 22uH
L511	1-410-656-11	s	INDUCTOR CHIP 150uH [for DXC-D30WS]
L511	1-410-393-11	s	INDUCTOR CHIP 100uH [for DXC-D30WSP]
L512	1-412-959-11	s	INDUCTOR 47uH
L513	1-412-959-11	s	INDUCTOR 47uH
L514	1-412-959-11	s	INDUCTOR 47uH
L515	1-412-955-11	s	INDUCTOR 22uH
L516	1-412-955-11	s	INDUCTOR 22uH
L517	1-412-959-11	s	INDUCTOR 47uH
L518	1-412-280-31	s	INDUCTOR 330uH
L519	1-412-280-31	s	INDUCTOR 330uH
L520	1-412-959-11	s	INDUCTOR 47uH
L521	1-412-959-11	s	INDUCTOR 47uH
L522	1-412-959-11	s	INDUCTOR 47uH
L523	1-412-955-11	s	INDUCTOR 22uH
Q501	8-729-402-84	s	TRANSISTOR XN4601
Q502	8-729-117-32	s	TRANSISTOR 2SC4177
Q503	8-729-403-29	s	TRANSISTOR XN6435
Q504	8-729-402-19	s	TRANSISTOR XN6501
Q505	8-729-117-32	s	TRANSISTOR 2SC4177
Q506	8-729-403-29	s	TRANSISTOR XN6435
Q507	8-729-117-32	s	TRANSISTOR 2SC4177
Q508	8-729-403-32	s	TRANSISTOR XN6534
Q509	8-729-403-29	s	TRANSISTOR XN6435
Q510	8-729-402-84	s	TRANSISTOR XN4601
Q511	8-729-403-32	s	TRANSISTOR XN6534
Q512	8-729-117-32	s	TRANSISTOR 2SC4177
Q513	8-729-403-29	s	TRANSISTOR XN6435
Q514	8-729-403-29	s	TRANSISTOR XN6435
Q515	8-729-402-84	s	TRANSISTOR XN4601
Q516	8-729-402-84	s	TRANSISTOR XN4601
Q517	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q518	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q519	8-729-402-19	s	TRANSISTOR XN6501
Q520	8-729-403-29	s	TRANSISTOR XN6435
Q521	8-729-402-84	s	TRANSISTOR XN4601
Q522	8-729-141-53	s	TRANSISTOR 2SK94-X2X3X4
Q523	8-729-905-35	s	TRANSISTOR 2SC4081R
Q524	8-729-403-29	s	TRANSISTOR XN6435
Q525	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q526	8-729-402-84	s	TRANSISTOR XN4601
Q527	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q528	8-729-402-19	s	TRANSISTOR XN6501
Q529	8-729-122-63	s	TRANSISTOR 2SA1226
Q530	8-729-402-19	s	TRANSISTOR XN6501

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Ref. No. or Q'ty	Part No.	SP	Description
Q531	8-729-402-78	s	TRANSISTOR XN6401
Q532	8-729-402-19	s	TRANSISTOR XN6501
Q533	8-729-905-35	s	TRANSISTOR 2SC4081R
Q534	8-729-402-19	s	TRANSISTOR XN6501
Q535	8-729-403-29	s	TRANSISTOR XN6435
Q536	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q538	8-729-402-84	s	TRANSISTOR XN4601
Q539	8-729-905-35	s	TRANSISTOR 2SC4081R
Q540	8-729-402-84	s	TRANSISTOR XN4601
Q541	8-729-101-07	s	TRANSISTOR 2SB798
Q542	8-729-101-07	s	TRANSISTOR 2SB798
Q543	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q544	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q545	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q546	8-729-905-35	s	TRANSISTOR 2SC4081R
Q547	8-729-402-78	s	TRANSISTOR XN6401
Q548	8-729-905-35	s	TRANSISTOR 2SC4081R
Q549	8-729-905-35	s	TRANSISTOR 2SC4081R
Q550	8-729-402-78	s	TRANSISTOR XN6401
Q551	8-729-905-35	s	TRANSISTOR 2SC4081R
Q552	8-729-402-84	s	TRANSISTOR XN4601
Q553	8-729-402-84	s	TRANSISTOR XN4601
Q554	8-729-402-19	s	TRANSISTOR XN6501
Q555	8-729-402-19	s	TRANSISTOR XN6501
Q556	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
R501	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R502	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R503	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R504	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R505	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R506	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R507	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R508	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R509	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R510	1-216-840-11	s	METAL, CHIP 39K 5% 1/16W
R511	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R512	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R513	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R514	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R515	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R516	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R517	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R518	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R519	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R520	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R521	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R522	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R523	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R524	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R525	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R526	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R527	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R529	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R530	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R531	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R532	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R533	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R534	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R535	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R536	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R537	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R538	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R539	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R540	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R541	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R542	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R543	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R544	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R545	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R546	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R547	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R548	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R549	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R550	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R551	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R552	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R553	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R554	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R555	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R556	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R557	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R558	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R559	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R560	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R561	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R562	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R563	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R564	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R565	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R566	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R567	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R568	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R570	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R571	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R572	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R573	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R574	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R575	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R576	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R577	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R578	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R581	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R582	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R583	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R584	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R588	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R589	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R590	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R591	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R592	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R593	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R594	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R595	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R596	1-218-848-11	s	METAL, CHIP 1.1K 0.50% 1/16W
R597	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R598	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R599	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R600	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R601	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R602	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R603	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R604	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R605	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R606	1-218-866-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R607	1-216-848-11	s	METAL, CHIP 180K 5% 1/16W
R608	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R609	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R610	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R611	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R612	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R613	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R614	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R615	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R616	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R617	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R618	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R619	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R620	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R621	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R623	1-218-854-11	s	METAL, CHIP 2K 0.50% 1/16W
R624	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R625	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R626	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R627	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R628	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R629	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R630	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R631	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R632	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R633	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R634	1-218-856-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R635	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R636	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R637	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R639	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R640	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R641	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R642	1-218-845-11	s	METAL, CHIP 820 0.50%
R643	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R644	1-216-794-11	s	METAL, CHIP 5.6 5% 1/16W
R645	1-216-794-11	s	METAL, CHIP 5.6 5% 1/16W
R646	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R647	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R648	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R649	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R650	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R651	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R652	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R653	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R654	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R655	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R656	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R657	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R658	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R659	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R660	1-216-836-11	s	METAL, CHIP 18K 5% 1/16W
R661	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R662	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R663	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R664	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R665	1-216-848-11	s	METAL, CHIP 180K 5% 1/16W
R666	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R667	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W [for DXC-D30WS]
R667	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W [for DXC-D30WSP]
R668	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R669	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R670	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R671	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R672	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R673	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R674	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R675	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R676	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R677	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R678	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R679	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R680	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R681	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R682	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W [for DXC-D30WS]
R683	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W [for DXC-D30WS]
R684	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W [for DXC-D30WS]
R685	1-218-854-11	s	METAL, CHIP 2K 0.50% 1/16W
R686	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W [for DXC-D30WSP]
R687	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R688	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W [for DXC-D30WSP]
R692	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R694	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R696	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R699	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R700	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R701	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R702	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R703	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R704	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R705	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R706	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R707	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R709	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R710	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R711	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R712	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R713	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R714	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W

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(ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R715	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R716	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R717	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R718	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R719	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R720	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R721	1-218-882-11	s	METAL, CHIP 30K 0.50% 1/16W
R722	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R723	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R724	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R725	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R726	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R727	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R728	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R729	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R730	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R731	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R732	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R733	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R734	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R735	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R736	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R737	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R738	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R739	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R741	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R742	1-216-835-11	s	METAL, CHIP 15K 5% 1/16W
R743	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R744	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R745	1-218-868-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R746	1-216-835-11	s	METAL, CHIP 15K 5% 1/16W
R747	1-216-835-11	s	METAL, CHIP 15K 5% 1/16W
R748	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R749	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R750	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R751	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R752	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R753	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R754	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R755	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R756	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R757	1-218-889-11	s	METAL, CHIP 56K 0.50% 1/16W
R758	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R759	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R760	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R761	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R762	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R763	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R764	1-218-884-11	s	METAL, CHIP 36K 0.50% 1/16W
R765	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R766	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R767	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R768	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R769	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R770	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R771	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R772	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R773	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R774	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R775	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R776	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R777	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R778	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R779	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R780	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R781	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R782	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R783	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R784	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R785	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R786	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R787	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R788	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R789	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R790	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R791	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R792	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R793	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R794	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R795	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R796	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R797	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R798	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R799	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W [for DXC-D30WS]
R800	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W [for DXC-D30WSP]
R801	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R802	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R803	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R804	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R805	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R806	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R807	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R808	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W [for DXC-D30WS]
R808	1-216-831-11	s	METAL, CHIP 6.8K 5% 1/16W [for DXC-D30WSP]
R809	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W [for DXC-D30WS]
R809	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W [for DXC-D30WSP]
R810	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R811	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R812	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R813	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W [for DXC-D30WS]
R813	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W [for DXC-D30WSP]
R814	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R815	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R816	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R817	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R819	1-216-828-11	s	METAL, CHIP 3.9K 5% 1/16W
R820	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R821	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R822	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R823	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R824	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R826	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R828	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R829	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R830	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R831	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R833	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R836	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R838	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R839	1-216-805-11	s	METAL, CHIP 47 5% 1/16W [for DXC-D30WSP]
R840	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W [for DXC-D30WS]
R841	1-211-985-11	s	METAL, CHIP 47 0.50% 1/16W [for DXC-D30WS]
R842	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R843	1-216-805-11	s	METAL, CHIP 47 5% 1/16W [for DXC-D30WS]
R844	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R845	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R846	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R847	1-216-805-11	s	METAL, CHIP 47 5% 1/16W [for DXC-D30WSP]
R848	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R849	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R851	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R852	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R853	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R854	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R855	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB501	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB502	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RV501	1-241-260-11	s	RES, ADJ, METAL 500
RV502	1-241-261-41	s	RES, ADJ, METAL 1K
RV503	1-241-261-41	s	RES, ADJ, METAL 1K
RV504	1-241-261-41	s	RES, ADJ, METAL 1K
RV505	1-241-260-11	s	RES, ADJ, METAL 500

IF-700 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-652-A	o	MOUNTED CIRCUIT BOARD, IF-700
1pc	3-729-061-01	s	SCREW M2X4.5 (TYPE 1)
2pcs	3-729-061-11	s	SCREW M2X4.5 (TYPE 1)
2pcs	7-621-772-08	s	SCREW +B 2X3
C501	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C502	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C506	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C507	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C508	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C509	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C510	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C511	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C512	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C513	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C514	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C515	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C516	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C518	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C519	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C520	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C521	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C522	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C523	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C524	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C525	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C526	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C527	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C528	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C529	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C530	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C531	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C532	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C533	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C534	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C535	1-162-916-11	s	CERAMIC, CHIP 12PF 5% 50V
C536	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C537	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C538	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C539	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C540	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C541	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C542	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C544	1-104-608-11	s	ELECT, CHIP 33uF 20% 6.3V
C545	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C546	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C547	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C548	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C549	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C550	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C551	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C552	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C553	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C554	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C556	1-104-608-11	s	ELECT, CHIP 33uF 20% 6.3V
C557	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C558	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C559	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C560	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C561	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C562	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C565	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C566	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C568	1-126-412-11	s	ELECT, CHIP 220uF 20% 4V
C569	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C570	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C571	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C572	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C573	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C574	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C575	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C576	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C577	1-162-911-11	s	CERAMIC, CHIP 6PF 50V
C578	1-162-925-11	s	CERAMIC, CHIP 68PF 5% 50V
C579	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C580	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C581	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C582	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C583	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C584	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C588	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C589	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C590	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C591	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C592	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C593	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C594	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C595	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C596	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C597	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C598	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C599	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C600	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C601	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C602	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C603	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C608	1-162-913-11	s	CERAMIC, CHIP 8PF 0.5PF 50V
C611	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C612	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C613	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C614	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C615	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C616	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C617	1-107-685-11	s	TANTALUM, CHIP 15uF 20% 6.3V
C618	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C619	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C620	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C621	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C622	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C626	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C627	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C629	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C630	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C631	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP	Description
C632	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C633	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C634	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C635	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C636	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C637	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C638	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C639	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C640	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C641	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C642	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C643	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C644	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C645	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C646	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C648	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C651	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C652	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C653	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C654	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C655	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C656	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C657	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C658	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C659	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C663	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C664	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C665	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C666	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C668	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C669	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C670	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C672	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C673	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C675	1-162-908-11	s	CERAMIC, CHIP 3PF 0.25PF 50V
C676	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C677	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C678	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C680	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C682	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C683	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C685	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C687	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C688	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C690	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C692	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C695	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C696	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C697	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C698	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C699	1-162-908-11	s	CERAMIC, CHIP 3PF 0.25PF 50V
C700	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C701	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C702	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
CP501	1-760-275-11	s	OSCILLATOR, CRYSTAL (VCO TYPE)
D501	8-719-029-63	s	DIODE RD4.3UH-T1
D502	8-719-029-63	s	DIODE RD4.3UH-T1
D503	8-719-029-63	s	DIODE RD4.3UH-T1

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Ref. No. or Q'ty	Part No.	SP	Description
D506	8-719-421-69	s	DIODE MA133
D507	8-719-421-67	s	DIODE MA132WK
D508	8-719-421-69	s	DIODE MA133
D509	8-719-421-69	s	DIODE MA133
D510	8-719-421-69	s	DIODE MA133
FB501	1-414-445-11	s	INDUCTOR CHIP 0uH
FB502	1-414-445-11	s	INDUCTOR CHIP 0uH
FB503	1-414-445-11	s	INDUCTOR CHIP 0uH
FB504	1-414-445-11	s	INDUCTOR CHIP 0uH
FL504	1-233-740-11	s	FILTER, LOW-PASS
FL505	1-233-742-11	s	FILTER, LOW-PASS
FL506	1-233-740-11	s	FILTER, LOW-PASS
FL507	1-233-742-11	s	FILTER, LOW-PASS
FL508	1-233-740-11	s	FILTER, LOW-PASS
FL509	1-233-742-11	s	FILTER, LOW-PASS
IC501	8-759-185-42	s	IC LM4040AIM3-2.5
IC502	8-759-076-06	s	IC TL064CPW
IC503	8-759-086-41	s	IC X24C02S-3.0
IC504	8-759-635-27	s	IC M62352GP
IC505	8-759-173-16	s	IC TL062CPW
IC506	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC507	8-759-066-61	s	IC TC4053BFS
IC508	8-759-262-06	s	IC TC4052BFS(ELQ)
IC509	8-759-066-61	s	IC TC4053BFS
IC510	8-759-031-84	s	IC SC7S04F
IC511	8-759-031-84	s	IC SC7S04F
IC512	8-759-234-20	s	IC TC7S08F
IC513	8-759-066-61	s	IC TC4053BFS
IC514	8-759-523-04	s	IC TC74HC4538AFT(EL)
IC516	8-752-363-60	s	IC CXD2307R-T4
IC517	8-759-523-80	s	IC TC74VHC04FT(EL)
IC519	8-759-523-80	s	IC TC74VHC04FT(EL)
IC520	8-752-381-65	o	IC CXD606-101R
IC521	8-759-050-53	s	IC SN74HCT08APW-E20
IC522	8-759-184-64	s	IC TC4W66FU
IC523	8-759-173-16	s	IC TL062CPW
IC524	8-759-031-84	s	IC SC7S04F
IC527	8-759-066-61	s	IC TC4053BFS
IC529	8-759-523-80	s	IC TC74VHC04FT(EL)
IC530	8-759-196-96	s	IC TC7SH08FU-TE85R
IC531	8-759-523-95	s	IC TC74VHC74FT(EL)
IC532	8-759-079-46	s	IC TC74VHC00FS(EL)
IC533	8-759-497-85	s	IC QL12X16B-XPF100C-D30WS
IC534	8-759-031-84	s	IC SC7S04F
IC535	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC538	8-759-234-20	s	IC TC7S08F
IC539	8-759-485-79	s	IC TC7SET08FU(TE85L)
JR506	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
L501	1-412-962-11	s	INDUCTOR 82uH
L502	1-410-656-11	s	INDUCTOR CHIP 150uH
L503	1-412-955-11	s	INDUCTOR 22uH
L504	1-412-955-11	s	INDUCTOR 22uH
L505	1-424-643-11	s	COIL, CHOKE 10UH
L506	1-412-955-11	s	INDUCTOR 22uH
L507	1-412-955-11	s	INDUCTOR 22uH
L508	1-412-955-11	s	INDUCTOR 22uH
L509	1-412-955-11	s	INDUCTOR 22uH

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Ref. No. or Q'ty	Part No.	SP	Description
L510	1-412-941-11	s	INDUCTOR 1.5uH
L511	1-412-955-11	s	INDUCTOR 22uH
Q501	8-729-101-07	s	TRANSISTOR 2SB798
Q502	8-729-101-07	s	TRANSISTOR 2SB798
Q503	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q505	8-729-402-84	s	TRANSISTOR XN4601
Q506	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q507	8-729-101-07	s	TRANSISTOR 2SB798
Q508	8-729-402-19	s	TRANSISTOR XN6501
Q509	8-729-122-63	s	TRANSISTOR 2SA1226
Q510	8-729-402-84	s	TRANSISTOR XN4601
Q511	8-729-402-19	s	TRANSISTOR XN6501
Q512	8-729-122-63	s	TRANSISTOR 2SA1226
Q513	8-729-402-84	s	TRANSISTOR XN4601
Q514	8-729-402-19	s	TRANSISTOR XN6501
Q515	8-729-122-63	s	TRANSISTOR 2SA1226
Q516	8-729-402-84	s	TRANSISTOR XN4601
Q518	8-729-905-35	s	TRANSISTOR 2SC4081R
Q519	8-729-402-84	s	TRANSISTOR XN4601
Q520	8-729-402-78	s	TRANSISTOR XN6401
Q521	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q522	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q523	8-729-905-35	s	TRANSISTOR 2SC4081R
Q524	8-729-905-35	s	TRANSISTOR 2SC4081R
Q525	8-729-905-35	s	TRANSISTOR 2SC4081R
Q527	8-729-905-35	s	TRANSISTOR 2SC4081R
Q528	8-729-402-84	s	TRANSISTOR XN4601
Q529	8-729-402-78	s	TRANSISTOR XN6401
Q530	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q531	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q532	8-729-402-19	s	TRANSISTOR XN6501
Q534	8-729-905-35	s	TRANSISTOR 2SC4081R
Q535	8-729-402-78	s	TRANSISTOR XN6401
Q536	8-729-403-32	s	TRANSISTOR XN6534
Q537	8-729-402-78	s	TRANSISTOR XN6401
Q538	8-729-402-84	s	TRANSISTOR XN4601
Q539	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q540	8-729-402-84	s	TRANSISTOR XN4601
Q541	8-729-905-35	s	TRANSISTOR 2SC4081R
Q542	8-729-402-84	s	TRANSISTOR XN4601
Q543	8-729-402-84	s	TRANSISTOR XN4601
Q545	8-729-402-19	s	TRANSISTOR XN6501
Q546	8-729-402-78	s	TRANSISTOR XN6401
Q547	8-729-905-35	s	TRANSISTOR 2SC4081R
Q549	8-729-403-32	s	TRANSISTOR XN6534
Q551	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q552	8-729-403-32	s	TRANSISTOR XN6534
Q554	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q555	8-729-403-32	s	TRANSISTOR XN6534
Q557	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q558	8-729-402-78	s	TRANSISTOR XN6401
Q559	8-729-402-19	s	TRANSISTOR XN6501
Q560	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q561	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q562	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q563	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q564	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q565	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR

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Ref. No. or Q'ty	Part No.	SP	Description
Q566	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q567	8-729-402-19	s	TRANSISTOR XN6501
Q568	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q569	8-729-402-19	s	TRANSISTOR XN6501
Q570	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q571	8-729-402-19	s	TRANSISTOR XN6501
Q572	8-729-143-13	s	TRANSISTOR 2SC4176-B34
R501	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R502	1-216-838-11	s	METAL, CHIP 27K 5% 1/16W
R503	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R504	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R505	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R506	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R507	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R508	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R509	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R510	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R511	1-218-884-11	s	METAL, CHIP 36K 0.50% 1/16W
R514	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R515	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R516	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R517	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R518	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R519	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R520	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R521	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R522	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R523	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R524	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R525	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R526	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R527	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R528	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R529	1-218-886-11	s	METAL, CHIP 43K 0.50% 1/16W
R530	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R531	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R532	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R533	1-218-893-11	s	METAL, CHIP 82K 0.50% 1/16W
R534	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R535	1-218-893-11	s	METAL, CHIP 82K 0.50% 1/16W
R536	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R537	1-218-893-11	s	METAL, CHIP 82K 0.50% 1/16W
R538	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R539	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R540	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R541	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R542	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R543	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R544	1-218-827-11	s	METAL, CHIP 150 0.50% 1/16W
R545	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R546	1-211-991-11	s	METAL, CHIP 82 0.50% 1/16W
R547	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R548	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R549	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R550	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R551	1-211-985-11	s	METAL, CHIP 47 0.50% 1/16W
R552	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R553	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R554	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R555	1-218-850-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R556	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R557	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R558	1-218-833-11	s	METAL, CHIP 270 0.50% 1/16W
R559	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R560	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R561	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R562	1-218-856-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R563	1-218-835-11	s	METAL, CHIP 330 0.50% 1/16W
R564	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R565	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R566	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R567	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R568	1-218-827-11	s	METAL, CHIP 150 0.50% 1/16W
R569	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R570	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R571	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R572	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R573	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R574	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R575	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R576	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R577	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R578	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R579	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R580	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R584	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R585	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R586	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R587	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R588	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R589	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R590	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R591	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R592	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R593	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R594	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R595	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R596	1-211-987-11	s	METAL, CHIP 56 0.50% 1/16W
R597	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R598	1-218-828-11	s	METAL, CHIP 160 0.50% 1/16W
R599	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R600	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R601	1-218-840-11	s	METAL, CHIP 510 0.50% 1/16W
R602	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R603	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R604	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R605	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R606	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R607	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R608	1-211-989-11	s	METAL, CHIP 68 0.50% 1/16W
R609	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R610	1-211-989-11	s	METAL, CHIP 68 0.50% 1/16W
R611	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R612	1-211-989-11	s	METAL, CHIP 68 0.50% 1/16W
R616	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R617	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R618	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W

Ref. No. or Q'ty	Part No.	SP	Description
R619	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R620	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R621	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R622	1-211-990-11	s	METAL, CHIP 75 0.50% 1/16W
R623	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R624	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R625	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R626	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R627	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R628	1-211-987-11	s	METAL, CHIP 56 0.50% 1/16W
R629	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R630	1-218-828-11	s	METAL, CHIP 160 0.50% 1/16W
R631	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R632	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R633	1-218-840-11	s	METAL, CHIP 510 0.50% 1/16W
R634	1-211-973-11	s	METAL, CHIP 15 0.50% 1/16W
R635	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R636	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R637	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R638	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R639	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R640	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R641	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R645	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R646	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R647	1-216-856-11	s	METAL, CHIP 820K 5% 1/16W
R648	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R649	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R650	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R651	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R652	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R653	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R654	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R655	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R656	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R657	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R658	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R659	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R660	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R661	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R662	1-218-861-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R663	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R664	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R665	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R666	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R667	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R668	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R669	1-211-987-11	s	METAL, CHIP 56 0.50% 1/16W
R670	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R671	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R672	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R673	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R674	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R675	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R676	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R677	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R678	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R679	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R680	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W

Ref. No. or Q'ty	Part No.	SP	Description
R681	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R682	1-218-833-11	s	METAL, CHIP 270 0.50% 1/16W
R683	1-211-974-11	s	METAL, CHIP 16 0.50% 1/16W
R684	1-218-834-11	s	METAL, CHIP 300 0.50% 1/16W
R685	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R686	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R687	1-211-976-11	s	METAL, CHIP 20 0.50% 1/16W
R688	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R689	1-211-981-11	s	METAL, CHIP 33 0.50% 1/16W
R691	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R692	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R693	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R694	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R695	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R696	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R697	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R698	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R699	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R700	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R701	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R702	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R709	1-218-827-11	s	METAL, CHIP 150 0.50% 1/16W
R710	1-218-827-11	s	METAL, CHIP 150 0.50% 1/16W
R711	1-218-827-11	s	METAL, CHIP 150 0.50% 1/16W
R712	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R713	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R714	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R715	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R716	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R717	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R720	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R721	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R723	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R724	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R725	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R726	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R727	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R728	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R729	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R730	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R731	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R732	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R733	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R734	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R738	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R739	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R740	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R741	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R745	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R746	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R747	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R748	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R749	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R750	1-218-844-11	s	METAL, CHIP 750 0.50% 1/16W
R751	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R754	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R755	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R756	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R757	1-216-809-11	s	METAL, CHIP 100 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R762	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R763	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R764	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R766	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R767	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R769	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R770	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R772	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R774	1-218-850-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R776	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R777	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R778	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R779	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R780	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R782	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R783	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R784	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R785	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R786	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R789	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R790	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R792	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R796	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R797	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R798	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R799	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R800	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R802	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R803	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R804	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R805	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R806	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R809	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R810	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R812	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R816	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R817	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R818	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R819	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R821	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R822	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R823	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R824	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R825	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R828	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R829	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R831	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R835	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R836	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R837	1-218-866-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R841	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R842	1-216-830-11	s	METAL, CHIP 5.6K 5% 1/16W
R843	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R845	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R846	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R848	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R849	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R851	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R852	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W

(IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R854	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R855	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R857	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R858	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R860	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R861	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R863	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R864	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R866	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R867	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R868	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R869	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R874	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R875	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R876	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R877	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R878	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R879	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R880	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R881	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R882	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R883	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R884	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R885	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R886	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R887	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R889	1-218-866-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R890	1-218-830-11	s	METAL, CHIP 200 0.50% 1/16W
R891	1-218-830-11	s	METAL, CHIP 200 0.50% 1/16W
R894	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R897	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB501	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB502	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB503	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB504	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB505	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB506	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB508	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB509	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB510	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB511	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB512	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB513	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB514	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB515	1-236-908-11	s	RESISTOR BLOCK, CHIP 10KX4
RB516	1-236-908-11	s	RESISTOR BLOCK, CHIP 10KX4
RB517	1-236-908-11	s	RESISTOR BLOCK, CHIP 10KX4

MB-785 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-669-A	o	MOUNTED CIRCUIT BOARD, MB-785
3pcs	4-352-844-01	s	PIN, LEAD, COATING
C2	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C3	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C5	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C6	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C9	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C26	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C27	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C30	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C31	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C35	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C36	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C37	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C38	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C40	1-107-826-11	s	CERAMIC, CHIP 0.1uF 10% 16V
C41	1-107-826-11	s	CERAMIC, CHIP 0.1uF 10% 16V
C42	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C44	1-135-210-11	s	TANTALUM, CHIP 4.7uF 10% 10V
C45	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C51	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C52	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C53	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C54	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C59	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C60	1-107-826-11	s	CERAMIC, CHIP 0.1uF 10% 16V
C62	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C63	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C64	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C65	1-107-682-11	s	CERAMIC 1uF 10% 16V
C66	1-107-682-11	s	CERAMIC 1uF 10% 16V
C67	1-162-965-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C68	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C69	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C71	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C72	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C103	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C104	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C105	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C106	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C107	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C108	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C201	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C202	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C203	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C204	1-104-551-11	s	FILM, CHIP 0.01uF 5% 16V
C205	1-104-551-11	s	FILM, CHIP 0.01uF 5% 16V
C206	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C207	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C209	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C210	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C211	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C212	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C213	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C214	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C215	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C216	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C218	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C219	1-115-154-11	s	ELECT 10uF 20% 16V
C220	1-115-154-11	s	ELECT 10uF 20% 16V
C221	1-115-154-11	s	ELECT 10uF 20% 16V
C222	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C223	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
CN1	1-770-454-21	o	CONNECTOR, 70P
CN2	1-573-806-21	s	PIN, CONNECTOR (1.5MM) 6P
CN103	1-569-035-11	o	CONNECTOR, FPC (ZIF) 30P
CN105	1-695-320-51	o	CONNECTOR (1.5MM) 2P MALE
CN106	1-695-320-31	o	CONNECTOR (1.5MM) 2P MALE
CN107	1-695-320-71	o	PIN, CONNECTOR (1.5MM)) 2P
CN108	1-770-454-21	o	CONNECTOR, 70P
CN112	1-569-531-11	s	HOUSING,20P
CN113	1-569-531-11	s	HOUSING,20P
CN114	1-569-531-11	s	HOUSING,20P
CN116	1-778-656-11	o	CONNECTOR, BOARD TO BOARD 24P
CN117	1-778-655-11	o	PIN, CONNECTOR 2P
CN118	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN119	1-573-806-21	s	PIN, CONNECTOR (1.5MM) 6P
CN120	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
CN121	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN122	1-691-551-11	s	PIN, CONNECTOR 8P
CN123	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
CV1	1-141-368-11	s	CAP, CHIP TRIMMER
CV3	1-141-368-11	s	CAP, CHIP TRIMMER
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-027-95	s	DIODE HSM88WK
D3	8-719-800-76	s	DIODE 1SS226
D5	8-719-974-76	s	DIODE HSM107S
D6	8-719-421-69	s	DIODE MA133
D7	8-719-421-69	s	DIODE MA133
D8	8-719-421-69	s	DIODE MA133
D9	8-719-421-69	s	DIODE MA133
D10	8-719-421-69	s	DIODE MA133
FB102	1-414-445-11	s	INDUCTOR CHIP 0uH
FB103	1-414-445-11	s	INDUCTOR CHIP 0uH
FB104	1-414-445-11	s	INDUCTOR CHIP 0uH
FB105	1-414-445-11	s	INDUCTOR CHIP 0uH
FB106	1-414-445-11	s	INDUCTOR CHIP 0uH
FB107	1-414-445-11	s	INDUCTOR CHIP 0uH
FB109	1-414-445-11	s	INDUCTOR CHIP 0uH
FB110	1-414-445-11	s	INDUCTOR CHIP 0uH
FB114	1-414-445-11	s	INDUCTOR CHIP 0uH
FB115	1-414-445-11	s	INDUCTOR CHIP 0uH
FB116	1-414-445-11	s	INDUCTOR CHIP 0uH
FB117	1-414-445-11	s	INDUCTOR CHIP 0uH
FB118	1-414-445-11	s	INDUCTOR CHIP 0uH
FB119	1-414-445-11	s	INDUCTOR CHIP 0uH
FB120	1-414-772-11	s	INDUCTOR CHIP 0uH

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Ref. No. or Q'ty	Part No.	SP	Description
FB121	1-414-445-11	s	INDUCTOR CHIP 0uH
FB122	1-414-445-11	s	INDUCTOR CHIP 0uH
FB123	1-414-445-11	s	INDUCTOR CHIP 0uH
FB124	1-414-445-11	s	INDUCTOR CHIP 0uH
IC1	8-759-234-20	s	IC TC7S08F
IC2	8-759-234-20	s	IC TC7S08F
IC3	8-759-050-94	s	IC SN74HC165APW-E05
IC6	8-759-049-76	s	IC SN74HC244APW-E05
IC9	8-759-497-33	s	IC X24645S8C7000
IC10	8-759-268-32	s	IC SN74HC595ADB-E05
IC11	8-752-381-56	s	IC CXD1095AR
IC12	8-759-065-20	s	IC RTC-4553B
IC13	8-759-430-61	s	IC UPD6453GT-658
IC15	8-759-338-95	s	IC NJM2903V(TE2)
IC16	8-759-076-06	s	IC TL064CPW
IC17	8-759-278-11	s	IC TC4051BFS(EL)
IC18	8-759-173-16	s	IC TL062CPW
IC21	8-759-082-57	s	IC TC7W04FU
IC24	8-759-635-27	s	IC M62352GP
IC25	8-752-375-75	s	IC CXD2131Q-T4
IC26	8-759-058-64	s	IC TC7S32FU(TE85R)
IC27	8-759-082-61	s	IC TC4W53FU
IC29	8-759-430-61	s	IC UPD6453GT-658
IC30	8-759-058-62	s	IC TC7S08FU(TE85R)
IC102	8-759-173-16	s	IC TL062CPW
IC201	8-759-031-84	s	IC SC7S04F
IC202	8-759-173-16	s	IC TL062CPW
IC203	8-759-700-09	s	IC NJM2043M-D
IC204	8-759-262-06	s	IC TC4052BFS(ELQ)
IC205	8-759-700-09	s	IC NJM2043M-D
L1	1-412-955-11	s	INDUCTOR 22uH
L2	1-412-955-11	s	INDUCTOR 22uH
L3	1-412-963-11	s	INDUCTOR 100uH
L4	1-412-955-11	s	INDUCTOR 22uH
L7	1-412-955-11	s	INDUCTOR 22uH
L8	1-412-955-11	s	INDUCTOR 22uH
L9	1-412-955-11	s	INDUCTOR 22uH
L10	1-412-955-11	s	INDUCTOR 22uH
L11	1-412-955-11	s	INDUCTOR 22uH
L12	1-412-955-11	s	INDUCTOR 22uH
L13	1-412-955-11	s	INDUCTOR 22uH
L14	1-412-282-41	s	INDUCTOR 470uH
L15	1-412-282-41	s	INDUCTOR 470uH
L16	1-412-955-11	s	INDUCTOR 22uH
L17	1-412-955-11	s	INDUCTOR 22uH
L18	1-412-957-11	s	INDUCTOR 33uH
L101	1-412-026-11	s	INDUCTOR CHIP 1uH
L102	1-412-026-11	s	INDUCTOR CHIP 1uH
L103	1-412-026-11	s	INDUCTOR CHIP 1uH
Q1	8-729-402-19	s	TRANSISTOR XN6501
Q2	8-729-402-19	s	TRANSISTOR XN6501
Q5	8-729-402-19	s	TRANSISTOR XN6501
Q6	8-729-402-19	s	TRANSISTOR XN6501
Q7	8-729-402-19	s	TRANSISTOR XN6501
Q8	8-729-905-35	s	TRANSISTOR 2SC4081R
Q9	8-729-905-35	s	TRANSISTOR 2SC4081R

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Ref. No. or Q'ty	Part No.	SP	Description
Q10	8-729-905-35	s	TRANSISTOR 2SC4081R
Q11	8-729-402-84	s	TRANSISTOR XN4601
Q12	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q13	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q14	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q15	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q16	8-729-905-35	s	TRANSISTOR 2SC4081R
Q17	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q18	8-729-905-35	s	TRANSISTOR 2SC4081R
Q19	8-729-905-35	s	TRANSISTOR 2SC4081R
Q101	8-729-101-07	s	TRANSISTOR 2SB798
Q102	8-729-101-07	s	TRANSISTOR 2SB798
Q103	8-729-905-35	s	TRANSISTOR 2SC4081R
Q201	8-729-905-35	s	TRANSISTOR 2SC4081R
Q202	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
R1	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R2	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R3	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R4	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R5	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R6	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R7	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R8	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R9	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R10	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R11	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R20	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R23	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R24	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R25	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R29	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R30	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R31	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R32	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R33	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R34	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R35	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R40	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R41	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R42	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R44	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R45	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R46	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R47	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R49	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R50	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R51	1-218-889-11	s	METAL, CHIP 56K 0.50% 1/16W
R52	1-218-889-11	s	METAL, CHIP 56K 0.50% 1/16W
R53	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R54	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R55	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R56	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R57	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R58	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R59	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R60	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R61	1-218-861-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R62	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R63	1-218-893-11	s	METAL, CHIP 82K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R64	1-218-893-11	s	METAL, CHIP 82K 0.50% 1/16W
R65	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R66	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R67	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R68	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R69	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R70	1-218-861-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R71	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R72	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R73	1-218-869-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R74	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R75	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R76	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R77	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R78	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R79	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R80	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R81	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R82	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R83	1-216-807-11	s	METAL, CHIP 68 5% 1/16W
R84	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R85	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R87	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R88	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R89	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R90	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R91	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R92	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R93	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R94	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R99	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R106	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R107	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R108	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R109	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R110	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R111	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R112	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R113	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R114	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R116	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R118	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R119	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R120	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R122	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R123	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R124	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R125	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R126	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R201	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R202	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R203	1-216-843-11	s	METAL, CHIP 68K 5% 1/16W
R204	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R205	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R206	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R207	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R208	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R209	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R210	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R213	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R214	1-211-977-11	s	METAL, CHIP 22 0.50% 1/16W
R217	1-218-861-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R218	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R219	1-218-861-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R220	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R221	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R222	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R223	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R224	1-218-888-11	s	METAL, CHIP 51K 0.50% 1/16W
R225	1-218-888-11	s	METAL, CHIP 51K 0.50% 1/16W
R226	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R227	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R229	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R230	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R231	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R232	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R233	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R234	1-216-822-11	s	METAL, CHIP 1.2K 5% 1/16W
R236	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R301	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R302	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R303	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R304	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R305	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R306	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R307	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R308	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R309	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R310	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R311	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R312	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R313	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R314	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R315	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R316	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R317	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R318	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R319	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R320	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R321	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R322	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R323	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R324	1-216-840-11	s	METAL, CHIP 39K 5% 1/16W
R325	1-216-843-11	s	METAL, CHIP 68K 5% 1/16W
R326	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R327	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R328	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R329	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R330	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R331	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R332	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R334	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB2	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB4	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB5	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB6	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB7	1-239-430-11	s	RESISTOR BLOCK, CHIP 4.7KX4

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Ref. No. or Q'ty	Part No.	SP	Description
RB9	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB10	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB11	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RV201	1-238-855-11	s	RES, ADJ, METAL 4.7K

PA-219 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
3pcs	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-520-11	o	HOUSING,10P
1pc	1-569-621-11	o	HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o	CONTACT, FEMALE
1pc	1-569-680-11	o	HOUSING, 2P
1pc	1-956-514-11	o	HARNESS, SUB (PA187-1)
1pc	1-956-515-11	o	HARNESS, SUB (PA187-2)
C1	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C30	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C31	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C32	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C33	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C49	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C50	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C51	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN2	1-766-382-11	o	CONNECTOR (1.5MM) 10P MALE
CN3	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s	DIODE MA3J142D0LSO
D2	8-719-059-50	s	DIODE MA3J142D0LSO
D4	8-719-017-42	s	DIODE HSM88WA

(PA-219 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D5	8-719-986-76	s	DIODE SB007W03C
FB1	1-543-775-11	s	FILTER, EMI
IC2	8-759-196-96	s	IC TC7SH08FU-TE85R
IC4	8-759-985-17	s	IC 74AC04SJ
IC6	8-759-196-96	s	IC TC7SH08FU-TE85R
Q1	8-729-402-19	s	TRANSISTOR XN6501
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-101-25	s	TRANSISTOR 2SC1009A
Q5	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s	TRANSISTOR SST211-TE2
Q10	8-729-117-32	s	TRANSISTOR 2SC4177
Q11	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s	TRANSISTOR 2SC4177
Q13	8-729-043-56	s	TRANSISTOR SST211-TE2
Q14	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s	TRANSISTOR 2SC4177
Q16	8-729-043-56	s	TRANSISTOR SST211-TE2
Q18	8-729-117-32	s	TRANSISTOR 2SC4177
Q24	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s	TRANSISTOR 2SC4177
Q29	8-729-117-32	s	TRANSISTOR 2SC4177
Q32	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s	TRANSISTOR 2SC4177
Q36	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s	TRANSISTOR SST211-TE2
Q38	8-729-117-32	s	TRANSISTOR 2SC4177
Q39	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s	TRANSISTOR SST211-TE2
R1	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s	METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R37	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W
R38	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R39	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R62	1-218-845-11	s	METAL, CHIP 820 0.50%
R64	1-218-860-11	s	METAL, CHIP 3.6K 0.50% 1/16W
R65	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R67	1-218-845-11	s	METAL, CHIP 820 0.50%
R69	1-218-860-11	s	METAL, CHIP 3.6K 0.50% 1/16W
R70	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R72	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R73	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R74	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s	METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R97	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R99	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R103	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R110	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R112	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RV1	1-241-263-11	s	RES, ADJ, METAL 5K

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Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o	HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o	CONTACT, FEMALE
1pc	1-569-680-11	o	HOUSING, 2P
1pc	1-956-515-11	o	HARNESS, SUB (PA187-2)
C1	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-162-916-11	s	CERAMIC, CHIP 12PF 5% 50V
C30	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C31	1-162-916-11	s	CERAMIC, CHIP 12PF 5% 50V
C32	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C33	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C51	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN2	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN3	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s	DIODE MA3J142D0LSO
D2	8-719-059-50	s	DIODE MA3J142D0LSO
D4	8-719-017-42	s	DIODE HSM88WA
D5	8-719-986-76	s	DIODE SB007W03C

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Ref. No. or Q'ty	Part No.	SP	Description
FB1	1-543-775-11	s	FILTER, EMI
IC2	8-759-196-96	s	IC TC7SH08FU-TE85R
IC3	8-759-075-53	s	IC LM35DM
IC4	8-759-985-17	s	IC 74AC04SJ
IC6	8-759-196-96	s	IC TC7SH08FU-TE85R
Q1	8-729-402-19	s	TRANSISTOR XN6501
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-101-25	s	TRANSISTOR 2SC1009A
Q5	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s	TRANSISTOR SST211-TE2
Q10	8-729-117-32	s	TRANSISTOR 2SC4177
Q11	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s	TRANSISTOR 2SC4177
Q13	8-729-043-56	s	TRANSISTOR SST211-TE2
Q14	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s	TRANSISTOR 2SC4177
Q16	8-729-043-56	s	TRANSISTOR SST211-TE2
Q18	8-729-117-32	s	TRANSISTOR 2SC4177
Q24	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s	TRANSISTOR 2SC4177
Q29	8-729-117-32	s	TRANSISTOR 2SC4177
Q32	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s	TRANSISTOR 2SC4177
Q36	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s	TRANSISTOR SST211-TE2
Q38	8-729-117-32	s	TRANSISTOR 2SC4177
Q39	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s	TRANSISTOR SST211-TE2
R1	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s	METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R37	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R38	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R39	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R62	1-218-850-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R64	1-218-845-11	s	METAL, CHIP 820 0.50%
R65	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R67	1-218-850-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R69	1-218-845-11	s	METAL, CHIP 820 0.50%
R70	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R74	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s	METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R96	1-218-835-11	s	METAL, CHIP 330 0.50% 1/16W
R97	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R99	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R103	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R110	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R112	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

PA-221 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o	HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o	CONTACT, FEMALE
1pc	1-569-680-11	o	HOUSING, 2P
1pc	1-956-515-11	o	HARNESS, SUB (PA187-2)
C1	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-162-908-11	s	CERAMIC, CHIP 3PF 0.25PF 50V
C30	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C31	1-162-908-11	s	CERAMIC, CHIP 3PF 0.25PF 50V
C32	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C33	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C50	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C51	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN2	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN3	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s	DIODE MA3J142D0LSO
D2	8-719-059-50	s	DIODE MA3J142D0LSO
D4	8-719-017-42	s	DIODE HSM88WA
D5	8-719-986-76	s	DIODE SB007W03C
FB1	1-543-775-11	s	FILTER, EMI

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Ref. No. or Q'ty	Part No.	SP	Description
IC2	8-759-196-96	s	IC TC7SH08FU-TE85R
IC4	8-759-985-17	s	IC 74AC04SJ
IC6	8-759-196-96	s	IC TC7SH08FU-TE85R
Q1	8-729-402-19	s	TRANSISTOR XN6501
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-101-25	s	TRANSISTOR 2SC1009A
Q5	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s	TRANSISTOR SST211-TE2
Q10	8-729-117-32	s	TRANSISTOR 2SC4177
Q11	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s	TRANSISTOR 2SC4177
Q13	8-729-043-56	s	TRANSISTOR SST211-TE2
Q14	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s	TRANSISTOR 2SC4177
Q16	8-729-043-56	s	TRANSISTOR SST211-TE2
Q18	8-729-117-32	s	TRANSISTOR 2SC4177
Q24	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s	TRANSISTOR 2SC4177
Q29	8-729-117-32	s	TRANSISTOR 2SC4177
Q32	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s	TRANSISTOR 2SC4177
Q36	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s	TRANSISTOR SST211-TE2
Q38	8-729-117-32	s	TRANSISTOR 2SC4177
Q39	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s	TRANSISTOR SST211-TE2
R1	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s	METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R37	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W
R38	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W

(PA-221 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R39	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s	METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R62	1-218-845-11	s	METAL, CHIP 820 0.50%
R64	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R65	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R67	1-218-845-11	s	METAL, CHIP 820 0.50%
R69	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R70	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R72	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R73	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R74	1-218-823-11	s	METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s	METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R97	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R99	1-218-878-11	s	METAL, CHIP 20K 0.50% 1/16W
R103	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s	METAL, CHIP 10 0.50% 1/16W
R110	1-218-878-11	s	METAL, CHIP 20K 0.50% 1/16W
R112	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RV1	1-241-263-11	s	RES, ADJ, METAL 5K

PR-240 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-650-A	o	MOUNTED CIRCUIT BOARD, PR-240
3pcs	7-621-772-18	s	SCREW +B 2X4
C301	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C304	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C305	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C308	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C309	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C310	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C311	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C312	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C313	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C314	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C315	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C320	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C322	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C328	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C329	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C330	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C331	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C332	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C333	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C336	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C337	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C401	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C402	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C405	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C406	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C407	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C409	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C410	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C411	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C412	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C413	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C415	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C416	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C417	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C418	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C419	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C420	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C421	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C422	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C424	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C425	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C426	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C427	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C428	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C429	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C437	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C438	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C445	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C446	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C447	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C448	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C449	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C450	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C451	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C452	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C455	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C456	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C457	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C458	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C459	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C460	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C461	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C462	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C463	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C464	1-135-210-11	s	TANTALUM, CHIP 4.7uF 10% 10V
C465	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C466	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C467	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C468	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C473	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C474	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C475	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C476	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C477	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C478	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C479	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C480	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C481	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C482	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C483	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C487	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C488	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C489	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C490	1-111-253-11	s	TANTALUM, CHIP 100uF 20% 6.3V
C497	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C498	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C499	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C500	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C501	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C506	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C512	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
D401	8-719-029-63	s	DIODE RD4.3UH-T1
D402	8-719-029-63	s	DIODE RD4.3UH-T1
FL301	1-233-753-21	s	FILTER, LOW-PASS
IC301	8-759-524-51	s	IC TC74VHC573FT(EL)
IC302	8-759-524-51	s	IC TC74VHC573FT(EL)

(PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC303	8-759-523-95	s	IC TC74VHC74FT(EL)
IC304	8-759-523-80	s	IC TC74VHC04FT(EL)
IC305	8-759-524-10	s	IC TC74VHC157FT(EL)
IC306	8-759-524-10	s	IC TC74VHC157FT(EL)
IC307	8-759-524-10	s	IC TC74VHC157FT(EL)
IC308	8-759-524-10	s	IC TC74VHC157FT(EL)
IC309	8-759-523-96	s	IC TC74VHC86FT(EL)
IC310	8-759-524-51	s	IC TC74VHC573FT(EL)
IC311	8-759-524-51	s	IC TC74VHC573FT(EL)
IC312	8-759-524-51	s	IC TC74VHC573FT(EL)
IC313	8-759-524-51	s	IC TC74VHC573FT(EL)
IC314	8-759-524-51	s	IC TC74VHC573FT(EL)
IC315	8-752-360-44	s	IC CXK1203AR
IC316	8-752-360-44	s	IC CXK1203AR
IC317	8-752-360-44	s	IC CXK1203AR
IC318	8-752-360-44	s	IC CXK1203AR
IC319	8-752-360-44	s	IC CXK1203AR
IC320	8-752-360-44	s	IC CXK1203AR
IC321	8-752-360-44	s	IC CXK1203AR
IC322	8-752-360-44	s	IC CXK1203AR
IC323	8-759-421-88	s	IC SN74LVC821APW-E05
IC324	8-759-421-88	s	IC SN74LVC821APW-E05
IC325	8-759-421-88	s	IC SN74LVC821APW-E05
IC326	8-759-421-88	s	IC SN74LVC821APW-E05
IC327	8-752-360-44	s	IC CXK1203AR
IC328	8-752-360-44	s	IC CXK1203AR
IC329	8-752-360-44	s	IC CXK1203AR
IC330	8-752-360-44	s	IC CXK1203AR
IC331	8-759-421-88	s	IC SN74LVC821APW-E05
IC332	8-759-421-88	s	IC SN74LVC821APW-E05
IC333	8-759-523-95	s	IC TC74VHC74FT(EL)
IC334	8-752-334-64	s	IC CXD1171M
IC335	8-759-049-86	s	IC SN74HCT244APW-E20
IC337	8-759-196-93	s	IC TC7SH00FU-TE85R
IC401	8-759-095-59	s	IC M5237ML-TP1
IC402	8-759-173-16	s	IC TL062CPW
IC404	8-759-523-80	s	IC TC74VHC04FT(EL)
IC406	8-752-360-44	s	IC CXK1203AR
IC407	8-752-360-44	s	IC CXK1203AR
IC408	8-752-360-44	s	IC CXK1203AR
IC409	8-752-360-44	s	IC CXK1203AR
IC418	8-759-076-06	s	IC TL064CPW
IC423	8-759-049-86	s	IC SN74HCT244APW-E20
IC424	8-759-523-80	s	IC TC74VHC04FT(EL)
IC425	8-759-523-95	s	IC TC74VHC74FT(EL)
IC426	8-759-524-20	s	IC TC74VHC165FT(EL)
IC427	8-759-524-20	s	IC TC74VHC165FT(EL)
IC429	8-759-196-96	s	IC TC7SH08FU-TE85R
IC430	8-759-496-96	s	IC SN74LVC00APW-E05
IC432	8-759-196-96	s	IC TC7SH08FU-TE85R
IC433	8-759-271-86	s	IC TC7SH04FU
L401	1-424-643-11	s	COIL, CHOKE 10UH
Q401	8-729-101-07	s	TRANSISTOR 2SB798
Q402	8-729-101-07	s	TRANSISTOR 2SB798
Q403	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q404	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q405	8-729-402-84	s	TRANSISTOR XN4601

(PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R301	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R302	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R303	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R304	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R307	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R308	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R310	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R311	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R312	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R313	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R314	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R315	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R316	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R317	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R318	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R319	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R320	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R321	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R322	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R325	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R401	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R402	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R403	1-218-886-11	s	METAL, CHIP 43K 0.50% 1/16W
R405	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R406	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R408	1-218-884-11	s	METAL, CHIP 36K 0.50% 1/16W
R409	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R410	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R411	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R412	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R413	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R424	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R425	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R426	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R430	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R431	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R434	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R435	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R436	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R437	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R440	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R441	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R442	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R443	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R447	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R448	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R451	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R452	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R453	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R454	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R455	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R456	1-218-867-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R457	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R458	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R459	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R460	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R461	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R462	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R463	1-216-809-11	s	METAL, CHIP 100 5% 1/16W

(PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R464	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R465	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R466	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R467	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R468	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R469	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R472	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R473	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R478	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R479	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R480	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R481	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R482	1-216-819-11	s	METAL, CHIP 680 5% 1/16W
R483	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R484	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R485	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R486	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R491	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R492	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R494	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R496	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R498	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R499	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
RB301	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB302	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB303	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB304	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB305	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB306	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB307	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB308	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB309	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB310	1-239-419-11	s	RESISTOR BLOCK, CHIP 470X4
RB401	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB402	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB403	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB404	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB405	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB406	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB407	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB408	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB409	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB410	1-239-306-11	s	RESISTOR BLOCK, CHIP 10KX8
RB420	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB422	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB423	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB424	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB425	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB426	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB427	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB428	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB429	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

SE-366 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-663-031-11	o	PRINTED CIRCUIT BOARD,, SE-366
CN1	1-573-806-21	s	PIN, CONNECTOR (1.5MM) 6P
PH1	8-749-925-05	s	REFLECTOR NJL5183KA-F20-TE1
PH2	8-749-925-05	s	REFLECTOR NJL5183KA-F20-TE1

SW-790 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-119-A	o	MOUNTED CIRCUIT BOARD, SW-790
5pcs	4-937-336-42	o	HOLDER, LED
5pcs	3-604-357-01	o	KNOB(L),SW
C1	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C2	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C3	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C4	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C5	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C6	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C7	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
CN1	1-690-107-11	o	CONNECTOR, 12P FEMALE
D1	8-719-970-06	s	DIODE MPR3371X-150
D2	8-719-970-06	s	DIODE MPR3371X-150
D3	8-719-970-07	s	DIODE MPG3371X-150
D4	8-719-970-06	s	DIODE MPR3371X-150
D5	8-719-970-06	s	DIODE MPR3371X-150
D6	8-719-800-76	s	DIODE 1SS226
FB1	1-414-135-11	s	INDUCTOR CHIP 0uH
FB2	1-414-135-11	s	INDUCTOR CHIP 0uH
IC1	8-759-268-29	s	IC SN74HC595ANS
IC2	8-759-926-25	s	IC SN74HC165NS
IC3	8-759-926-25	s	IC SN74HC165NS
IC4	8-759-180-84	s	IC TC7W74F
L1	1-412-955-11	s	INDUCTOR 22uH
L2	1-412-955-11	s	INDUCTOR 22uH
Q1	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q5	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R4	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R5	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R6	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R7	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R8	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R9	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R10	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R11	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R12	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R13	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R14	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R15	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R16	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R17	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R18	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R19	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R20	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R21	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R22	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R23	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R24	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R25	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W

(SW-790 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R26	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R27	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R28	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R29	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R30	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R31	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R32	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R33	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R34	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R35	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R36	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R37	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R38	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R39	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R40	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R41	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R42	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R43	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R44	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R45	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R46	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R47	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
S1	1-554-303-21	s	SWITCH, PUSH
S2	1-554-592-21	s	SWITCH, PUSH
S3	1-554-592-21	s	SWITCH, PUSH
S4	1-570-859-11	s	SWITCH, SLIDE
S5	1-554-303-21	s	SWITCH, PUSH
S6	1-570-851-11	s	SWITCH, SLIDE
S7	1-554-303-21	s	SWITCH, PUSH
S8	1-570-859-11	s	SWITCH, SLIDE
S9	1-570-859-11	s	SWITCH, SLIDE
S10	1-570-859-11	s	SWITCH, SLIDE
S11	1-554-303-21	s	SWITCH, PUSH
S12	1-554-303-21	s	SWITCH, PUSH
S13	1-553-875-00	s	SWITCH, PUSH
S14	1-553-875-00	s	SWITCH, PUSH
S15	1-553-875-00	s	SWITCH, PUSH
S16	1-553-875-00	s	SWITCH, PUSH

SW-791 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-115-A	o	MOUNTED CIRCUIT BOARD, SW-791
CN101	1-566-765-11	o	PIN, CONNECTOR (PC BOARD) 10P
R101	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R102	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R103	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R104	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R105	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R106	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R107	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R108	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R109	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
S101	1-762-123-11	s	SWITCH, TOGGLE
S102	1-762-123-11	s	SWITCH, TOGGLE
S103	1-762-123-11	s	SWITCH, TOGGLE
S104	1-762-531-11	s	SWITCH, TOGGLE
S105	1-692-462-21	s	SWITCH, SLIDE

SW-792 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-131-A	o	MOUNTED CIRCUIT BOARD, SW-792
1pc	3-604-390-01	s	KNOB,VR
1pc	7-621-732-09	s	SET SCREW HEXAGON 2X3 WP
C201	1-163-038-91	s	CERAMIC, CHIP 0.1uF 25V
C202	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
CN201	1-565-879-11	s	PIN, CONNECTOR (PC BOARD) 7P
R201	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R202	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R203	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R204	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R205	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
RV201	1-223-684-11	s	RES, VAR, CARBON 5K
S201	1-570-984-11	s	SWITCH, TOGGLE
S202	1-692-313-11	s	SWITCH, PUSH
S203	1-553-875-00	s	SWITCH, PUSH
S204	1-570-993-11	s	SWITCH, PUSH

SW-793 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8311-132-A	o	MOUNTED CIRCUIT BOARD, SW-793
1pc	1-543-751-11	o	CORE (TROIDAL)
1pc	1-560-372-00	o	CONTACT, AWG22-28
1pc	1-561-516-00	o	CONNECTOR HOUSING, ILG (4P)
3pcs	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
1pc	1-565-979-11	o	HOUSING, CONNECTOR 8P
1pc	1-569-520-11	o	HOUSING,10P
2pcs	1-569-679-11	o	CONTACT, FEMALE
1pc	1-956-513-11	o	HARNESS, SUB (POWER)
1pc	1-956-522-11	o	HARNESS, SUB (SW793)
C301	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C302	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C303	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C304	1-128-528-11	s	ELECT 470uF 20% 25V
CB301 ⚠	1-532-681-00	s	CIRCUIT BREAKER 4A 125V
CN301	1-506-703-11	o	CONNECTOR POST HEADER,ILG (4P)
CN304	1-566-763-11	o	PIN, CONNECTOR (PC BOARD) 8P
D301	8-719-911-55	s	DIODE U05G
IC301	8-759-926-25	s	IC SN74HC165NS
IC302	8-759-926-25	s	IC SN74HC165NS
L301	1-412-955-11	s	INDUCTOR 22uH
R301	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R302	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R303	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R304	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R305	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R306	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R307	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R308	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R309	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R310	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R311	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R312	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R313	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R314	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R315	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R316	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R317	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R318	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R319	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R320	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
S301	1-762-348-11	s	SWITCH, TOGGLE
S302	1-762-347-11	s	SWITCH, TOGGLE
W302	1-956-516-11	o	HARNESS, SUB (SW791)
W303	1-956-520-11	o	HARNESS, SUB (SW792)

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TG-197 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-676-A	o	MOUNTED CIRCUIT BOARD, TG-197
C1	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C2	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C3	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C6	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C7	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C9	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C10	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C11	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C12	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C13	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C14	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C15	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C16	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C17	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C25	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C26	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C27	1-126-405-11	s	ELECT, CHIP 10uF 20% 50V
C29	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-104-920-11	s	TANTALUM, CHIP 4.7uF 20% 35V
C32	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C33	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C34	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C35	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-104-920-11	s	TANTALUM, CHIP 4.7uF 20% 35V
C38	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C39	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C40	1-126-395-11	s	ELECT, CHIP 22uF 20% 16V
C41	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C42	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C43	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C44	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C45	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C46	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C47	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C48	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C49	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C50	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C51	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C52	1-107-910-11	s	ELECT 100uF 20% 50V
C54	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C55	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C56	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C57	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C58	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C59	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C60	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V

(TG-197 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C61	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C62	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C63	1-113-987-11	s	TANTALUM, CHIP 4.7uF 20% 25V
C64	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C65	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C66	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C67	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C68	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C70	1-135-181-21	s	TANTALUM, CHIP 4.7uF 10% 6.3V
C71	1-135-181-21	s	TANTALUM, CHIP 4.7uF 10% 6.3V
C72	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C73	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C74	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C76	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C77	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C78	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C79	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C80	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C81	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C82	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C83	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C84	1-104-652-11	s	ELECT 470uF 20% 10V
C85	1-128-528-11	s	ELECT 470uF 20% 25V
C86	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C87	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C88	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C91	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C92	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C93	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C97	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C100	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C101	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C102	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C103	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C105	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C106	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
CN1	1-569-035-11	o	CONNECTOR, FPC (ZIF) 30P
CN2	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN3	1-766-382-11	o	CONNECTOR (1.5MM) 10P MALE
CN4	1-764-007-11	s	PIN, CONNECTOR (SMD) 12P
CN5	1-764-007-11	s	PIN, CONNECTOR (SMD) 12P
CN6	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN7	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN8	1-573-806-21	s	PIN, CONNECTOR (1.5MM) 6P
CN9	1-568-336-11	s	CONNECTOR, BOARD TO BOARD 20P
CN10	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
CN11	1-568-331-11	s	CONNECTOR, BOARD TO BOARD 10P
CN12	1-568-331-11	s	CONNECTOR, BOARD TO BOARD 10P
CP1	1-767-799-11	s	VCO 27MHz
D1	8-719-029-63	s	DIODE RD4.3UH-T1
D2	8-719-029-63	s	DIODE RD4.3UH-T1
D5	8-719-059-51	s	DIODE MA3J142E0LSO
D6	8-719-059-51	s	DIODE MA3J142E0LSO
D7	8-719-059-51	s	DIODE MA3J142E0LSO
D8	8-719-059-51	s	DIODE MA3J142E0LSO
D9	8-719-938-78	s	DIODE SB10-05PCP
D10	8-719-938-78	s	DIODE SB10-05PCP

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Ref. No. or Q'ty	Part No.	SP	Description
D11	8-719-059-51	s	DIODE MA3J142E0LSO
D12	8-719-938-78	s	DIODE SB10-05PCP
FB1	1-543-775-11	s	FILTER, EMI
FB2	1-543-775-11	s	FILTER, EMI
FB3	1-543-775-11	s	FILTER, EMI
FB4	1-543-775-11	s	FILTER, EMI
FB5	1-543-775-11	s	FILTER, EMI
FB6	1-543-775-11	s	FILTER, EMI
FB7	1-543-775-11	s	FILTER, EMI
FB8	1-543-775-11	s	FILTER, EMI
IC1	8-759-095-56	s	IC X24C08SC7000
IC2	8-759-083-94	s	IC TC7W74FU
IC3	8-759-148-39	s	IC CXD8095Q
IC5	8-759-076-06	s	IC TL064CPW
IC6	8-759-076-06	s	IC TL064CPW
IC7	8-759-234-20	s	IC TC7S08F
IC8	8-759-394-05	s	IC TC7SH08F-TE85R
IC10	8-759-196-96	s	IC TC7SH08FU-TE85R
IC11	8-759-196-96	s	IC TC7SH08FU-TE85R
IC12	8-759-523-79	s	IC TC74VHC02FT(EL)
IC13	8-759-635-27	s	IC M62352GP
IC14	8-759-172-33	s	IC UPD16502GS(1)
IC15	8-759-172-33	s	IC UPD16502GS(1)
IC16	8-759-172-33	s	IC UPD16502GS(1)
IC17	8-759-058-58	s	IC TC7S04FU(TE85R)
IC18	8-759-271-86	s	IC TC7SH04FU
IC19	8-759-271-86	s	IC TC7SH04FU
IC21	8-759-058-64	s	IC TC7S32FU(TE85R)
IC22	8-759-185-42	s	IC LM4040AIM3-2.5
IC23	8-759-196-96	s	IC TC7SH08FU-TE85R
IC30	8-759-196-96	s	IC TC7SH08FU-TE85R
IC31	8-759-196-97	s	IC TC7SH32FU-TE85R
IC32	8-759-196-96	s	IC TC7SH08FU-TE85R
IC33	8-759-196-96	s	IC TC7SH08FU-TE85R
IC34	8-759-196-96	s	IC TC7SH08FU-TE85R
IC35	8-759-271-86	s	IC TC7SH04FU
IC36	8-759-082-58	s	IC TC7W08FU
L1	1-410-389-31	s	INDUCTOR CHIP 47uH
L2	1-410-389-31	s	INDUCTOR CHIP 47uH
L3	1-410-389-31	s	INDUCTOR CHIP 47uH
L4	1-410-369-11	s	INDUCTOR CHIP 1uH
L5	1-410-377-31	s	INDUCTOR CHIP 4.7uH
L6	1-410-369-11	s	INDUCTOR CHIP 1uH
L7	1-410-389-31	s	INDUCTOR CHIP 47uH
L8	1-412-282-41	s	INDUCTOR 470uH
L9	1-410-389-31	s	INDUCTOR CHIP 47uH
L10	1-410-389-31	s	INDUCTOR CHIP 47uH
L11	1-410-369-11	s	INDUCTOR CHIP 1uH
L12	1-410-369-11	s	INDUCTOR CHIP 1uH
Q1	8-729-101-07	s	TRANSISTOR 2SB798
Q2	8-729-101-07	s	TRANSISTOR 2SB798
Q3	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q4	8-729-101-07	s	TRANSISTOR 2SB798
Q5	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q6	8-729-101-07	s	TRANSISTOR 2SB798
Q7	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q8	8-729-101-07	s	TRANSISTOR 2SB798

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Ref. No. or Q'ty	Part No.	SP	Description
Q9	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q10	8-729-216-22	s	TRANSISTOR 2SA1162
Q11	8-729-216-22	s	TRANSISTOR 2SA1162
Q12	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q13	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R2	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R3	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R4	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R5	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R6	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R7	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R8	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R9	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R10	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R11	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R12	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R13	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R14	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R15	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R16	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R17	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R19	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R20	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R22	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R23	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R24	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R25	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R26	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R27	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R28	1-218-880-11	s	METAL, CHIP 24K 0.50% 1/16W
R29	1-218-891-11	s	METAL, CHIP 68K 0.50% 1/16W
R30	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R31	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R32	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R33	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R34	1-218-896-11	s	METAL, CHIP 110K 0.50% 1/16W
R35	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R36	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R37	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R38	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R39	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R40	1-218-896-11	s	METAL, CHIP 110K 0.50% 1/16W
R41	1-218-879-11	s	METAL, CHIP 22K 0.50% 1/16W
R42	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R43	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R44	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R45	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R46	1-218-843-11	s	METAL, CHIP 680 0.50% 1/16W
R47	1-218-880-11	s	METAL, CHIP 24K 0.50% 1/16W
R48	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R50	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R52	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R53	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R54	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R55	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R56	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R57	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W

(TG-197 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R58	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R59	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R60	1-216-799-11	s	METAL, CHIP 15 5% 1/16W
R61	1-216-799-11	s	METAL, CHIP 15 5% 1/16W
R62	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R63	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R64	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R65	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R66	1-216-830-11	s	METAL, CHIP 5.6K 5% 1/16W
R67	1-216-846-11	s	METAL, CHIP 120K 5% 1/16W
R68	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R71	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R72	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R73	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R74	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R75	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R76	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R77	1-216-803-11	s	METAL, CHIP 33 5% 1/16W
R78	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R79	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R80	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R81	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R82	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R83	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R84	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R85	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R87	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R88	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R93	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R94	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R95	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R96	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R97	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R98	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R99	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R100	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R101	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R102	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R103	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R105	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R106	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R107	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R110	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R111	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R112	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R113	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R114	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R115	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R116	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R117	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R120	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R121	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R123	1-216-815-11	s	METAL, CHIP 330 5% 1/16W

VA-185 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-671-A	o	MOUNTED CIRCUIT BOARD, VA-185
C1	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C2	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C3	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C8	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C9	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C10	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C11	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C12	1-162-957-11	s	CERAMIC 220PF 5% 50V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C19	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C29	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C30	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C34	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C35	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C36	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C37	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C42	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C43	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C44	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C45	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C46	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C51	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C53	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C55	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C56	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C101	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C102	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C103	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C104	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C105	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C106	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C107	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

(VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C108	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C109	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C110	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C111	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C113	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C114	1-162-912-11	s	CERAMIC, CHIP 7PF 0.5PF 50V
C115	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C116	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C117	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C118	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C119	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C120	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C121	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C122	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C123	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C126	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C127	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C128	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C129	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C130	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C131	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C132	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C133	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C134	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C136	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C137	1-117-136-11	s	ELECT 10uF 20% 6.3V
C138	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C139	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C140	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C141	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C144	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C145	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C146	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C147	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C148	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C149	1-117-139-11	s	ELECT 2.2uF 20% 35V
C150	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C151	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C152	1-117-136-11	s	ELECT 10uF 20% 6.3V
C153	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C154	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C155	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C156	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C157	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C158	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C159	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C160	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C161	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C162	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C163	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C164	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C165	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C166	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C167	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C168	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C169	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V

(VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C170	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C172	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C174	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C175	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C176	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C201	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C202	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C203	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C204	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C205	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C206	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C207	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C208	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C209	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C210	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C211	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C213	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C214	1-162-912-11	s	CERAMIC, CHIP 7PF 0.5PF 50V
C215	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C216	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C217	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C218	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C219	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C220	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C221	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C222	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C223	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C224	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C225	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C226	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C227	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C228	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C229	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C230	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C231	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C232	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C233	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C235	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C236	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C237	1-117-136-11	s	ELECT 10uF 20% 6.3V
C238	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C239	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C240	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C241	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C244	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C245	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C246	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C247	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C248	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C249	1-117-139-11	s	ELECT 2.2uF 20% 35V
C250	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C251	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C252	1-117-136-11	s	ELECT 10uF 20% 6.3V
C253	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C254	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C255	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C256	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C257	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V

(VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C258	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C259	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C260	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C261	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C262	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C263	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C264	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C265	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C266	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C267	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C268	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C269	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C270	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C272	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C274	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C275	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C276	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C301	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C302	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C303	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C304	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C305	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C306	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C307	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C308	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C309	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C310	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C311	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C313	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C314	1-162-912-11	s	CERAMIC, CHIP 7PF 0.5PF 50V
C315	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C316	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C317	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C318	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C319	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C320	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C321	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C322	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C323	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C327	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C328	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C329	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C330	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C331	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C332	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C333	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C336	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C337	1-117-136-11	s	ELECT 10uF 20% 6.3V
C338	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C339	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C340	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C341	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C344	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C345	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V

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Ref. No. or Q'ty	Part No.	SP	Description
C346	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C347	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C348	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C349	1-117-139-11	s	ELECT 2.2uF 20% 35V
C350	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C351	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C352	1-117-136-11	s	ELECT 10uF 20% 6.3V
C353	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C354	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C355	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C356	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C357	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C358	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C359	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C360	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C361	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C362	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C363	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C364	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C365	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C366	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C367	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C368	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C369	1-162-910-11	s	CERAMIC, CHIP 5PF 0.25PF 50V
C370	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C372	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C374	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C375	1-162-915-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C376	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
D1	8-719-059-52	s	DIODE MA3J14300LSO
D4	8-719-029-63	s	DIODE RD4.3UH-T1
D5	8-719-029-63	s	DIODE RD4.3UH-T1
D101	8-719-421-69	s	DIODE MA133
D102	8-719-421-69	s	DIODE MA133
D201	8-719-421-69	s	DIODE MA133
D202	8-719-421-69	s	DIODE MA133
D301	8-719-421-69	s	DIODE MA133
D302	8-719-421-69	s	DIODE MA133
FL101	1-402-639-11	s	FILTER, TRAP
FL201	1-402-639-11	s	FILTER, TRAP
FL301	1-402-639-11	s	FILTER, TRAP
IC1	8-759-635-27	s	IC M62352GP
IC2	8-759-059-50	s	IC MB88351PFV
IC3	8-759-066-61	s	IC TC4053BFS
IC4	8-759-076-06	s	IC TL064CPW
IC5	8-759-066-61	s	IC TC4053BFS
IC7	8-759-050-14	s	IC SN74HC175APW-E05
IC10	8-759-049-60	s	IC SN74HC08APW-E05
IC11	8-759-049-96	s	IC SN74HC32APW-E20
IC12	8-759-523-95	s	IC TC74VHC74FT(EL)
IC13	8-759-049-58	s	IC SN74HC04APW-E05
IC14	8-759-173-16	s	IC TL062CPW
IC15	8-759-175-02	s	IC TL074CPW-ELM1000
IC16	8-759-082-55	s	IC TC7W00FU(TE12R)
IC17	8-759-066-61	s	IC TC4053BFS
IC101	8-759-066-61	s	IC TC4053BFS
IC102	8-759-271-18	s	IC NJM1496V
IC103	8-759-066-61	s	IC TC4053BFS

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Ref. No. or Q'ty	Part No.	SP	Description
IC105	8-759-271-18	s	IC NJM1496V
IC106	8-759-066-61	s	IC TC4053BFS
IC107	8-759-076-06	s	IC TL064CPW
IC108	8-752-376-32	s	IC CXD2310AR-T4
IC201	8-759-066-61	s	IC TC4053BFS
IC202	8-759-271-18	s	IC NJM1496V
IC203	8-759-066-61	s	IC TC4053BFS
IC205	8-759-271-18	s	IC NJM1496V
IC206	8-759-066-61	s	IC TC4053BFS
IC207	8-759-076-06	s	IC TL064CPW
IC208	8-752-376-32	s	IC CXD2310AR-T4
IC301	8-759-066-61	s	IC TC4053BFS
IC302	8-759-271-18	s	IC NJM1496V
IC303	8-759-066-61	s	IC TC4053BFS
IC305	8-759-271-18	s	IC NJM1496V
IC306	8-759-066-61	s	IC TC4053BFS
IC307	8-759-076-06	s	IC TL064CPW
IC308	8-752-376-32	s	IC CXD2310AR-T4
L1	1-412-951-11	s	INDUCTOR 10uH
L101	1-412-957-11	s	INDUCTOR 33uH
L102	1-412-961-11	s	INDUCTOR 68uH
L103	1-412-951-11	s	INDUCTOR 10uH
L104	1-412-951-11	s	INDUCTOR 10uH
L201	1-412-957-11	s	INDUCTOR 33uH
L202	1-412-961-11	s	INDUCTOR 68uH
L203	1-412-951-11	s	INDUCTOR 10uH
L204	1-412-951-11	s	INDUCTOR 10uH
L301	1-412-957-11	s	INDUCTOR 33uH
L302	1-412-961-11	s	INDUCTOR 68uH
L303	1-412-951-11	s	INDUCTOR 10uH
L304	1-412-951-11	s	INDUCTOR 10uH
Q1	8-729-402-84	s	TRANSISTOR XN4601
Q2	8-729-420-20	s	TRANSISTOR XN4312
Q3	8-729-402-19	s	TRANSISTOR XN6501
Q4	8-729-402-84	s	TRANSISTOR XN4601
Q6	8-729-101-07	s	TRANSISTOR 2SB798
Q7	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q8	8-729-101-07	s	TRANSISTOR 2SB798
Q9	8-729-101-07	s	TRANSISTOR 2SB798
Q101	8-729-402-78	s	TRANSISTOR XN6401
Q102	8-729-402-19	s	TRANSISTOR XN6501
Q103	8-729-117-72	s	TRANSISTOR 2SC4178
Q104	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q105	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q106	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q107	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q108	8-729-117-72	s	TRANSISTOR 2SC4178
Q109	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q110	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q111	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q112	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q113	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q114	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q115	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q116	8-729-905-35	s	TRANSISTOR 2SC4081R
Q117	8-729-403-29	s	TRANSISTOR XN6435
Q118	8-729-403-32	s	TRANSISTOR XN6534
Q119	8-729-143-07	s	TRANSISTOR 2SA1610-Y33

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Ref. No. or Q'ty	Part No.	SP	Description
Q120	8-729-402-19	s	TRANSISTOR XN6501
Q121	8-729-402-78	s	TRANSISTOR XN6401
Q123	8-729-905-35	s	TRANSISTOR 2SC4081R
Q201	8-729-402-78	s	TRANSISTOR XN6401
Q202	8-729-402-19	s	TRANSISTOR XN6501
Q203	8-729-117-72	s	TRANSISTOR 2SC4178
Q204	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q205	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q206	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q207	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q208	8-729-117-72	s	TRANSISTOR 2SC4178
Q209	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q210	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q211	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q212	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q213	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q214	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q215	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q216	8-729-905-35	s	TRANSISTOR 2SC4081R
Q217	8-729-403-29	s	TRANSISTOR XN6435
Q218	8-729-403-32	s	TRANSISTOR XN6534
Q219	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q220	8-729-402-19	s	TRANSISTOR XN6501
Q221	8-729-402-78	s	TRANSISTOR XN6401
Q223	8-729-905-35	s	TRANSISTOR 2SC4081R
Q301	8-729-402-78	s	TRANSISTOR XN6401
Q302	8-729-402-19	s	TRANSISTOR XN6501
Q303	8-729-117-72	s	TRANSISTOR 2SC4178
Q304	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q305	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q306	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q307	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q308	8-729-117-72	s	TRANSISTOR 2SC4178
Q309	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q310	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q311	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q312	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q313	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q314	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q315	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q316	8-729-905-35	s	TRANSISTOR 2SC4081R
Q317	8-729-403-29	s	TRANSISTOR XN6435
Q318	8-729-403-32	s	TRANSISTOR XN6534
Q319	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q320	8-729-402-19	s	TRANSISTOR XN6501
Q321	8-729-402-78	s	TRANSISTOR XN6401
Q323	8-729-905-35	s	TRANSISTOR 2SC4081R
R1	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R2	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R3	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R4	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R5	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R8	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R9	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R10	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R11	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R12	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R13	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R14	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R15	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R16	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R17	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R18	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R19	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R20	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R22	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R23	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R24	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R25	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R26	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R27	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R28	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R29	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R30	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R31	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R32	1-218-862-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R33	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R34	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R35	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R36	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R37	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R38	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R39	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R40	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R41	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R42	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R44	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R46	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R47	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R48	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R50	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R51	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R52	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R53	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R54	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R55	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R58	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R59	1-218-884-11	s	METAL, CHIP 36K 0.50% 1/16W
R60	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R61	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R62	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R63	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R64	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R65	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R66	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R67	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R68	1-218-886-11	s	METAL, CHIP 43K 0.50% 1/16W
R70	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R71	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R72	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R77	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R79	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R80	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R81	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R82	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R83	1-218-859-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R84	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R85	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R86	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R88	1-218-848-11	s	METAL, CHIP 1.1K 0.50% 1/16W
R91	1-216-863-11	s	METAL, CHIP 3.3M 5% 1/16W
R92	1-216-852-11	s	METAL, CHIP 390K 5% 1/16W
R93	1-216-863-11	s	METAL, CHIP 3.3M 5% 1/16W
R94	1-216-852-11	s	METAL, CHIP 390K 5% 1/16W
R95	1-216-863-11	s	METAL, CHIP 3.3M 5% 1/16W
R96	1-216-852-11	s	METAL, CHIP 390K 5% 1/16W
R101	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R102	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R103	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R104	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R105	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R106	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R107	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R108	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R109	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R110	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R111	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R112	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R113	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R114	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R115	1-216-834-11	s	METAL, CHIP 12K 5% 1/16W
R116	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R117	1-218-856-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R118	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R119	1-218-829-11	s	METAL, CHIP 180 0.50% 1/16W
R120	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R121	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R122	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R123	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R125	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R126	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R127	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R128	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R129	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R130	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R131	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R132	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R133	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R134	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R135	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R136	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R137	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R138	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R139	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R140	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R141	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R142	1-211-984-11	s	METAL, CHIP 43 0.50% 1/16W
R143	1-211-985-11	s	METAL, CHIP 47 0.50% 1/16W
R144	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R145	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R146	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R147	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R148	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R149	1-218-903-11	s	METAL, CHIP 220K 0.50% 1/16W
R150	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R152	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R154	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R155	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R156	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R157	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R158	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R159	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R160	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R161	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R162	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R163	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R164	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R165	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R166	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R167	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R168	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R169	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R170	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R171	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R172	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R173	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R174	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R175	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R176	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R177	1-218-869-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R178	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R179	1-218-901-11	s	METAL, CHIP 180K 0.50% 1
R180	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R181	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R182	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R183	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R186	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R189	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R190	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R191	1-216-862-11	s	METAL, CHIP 2.7M 5% 1/16W
R192	1-216-860-11	s	METAL, CHIP 1.8M 5% 1/16W
R193	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R194	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R195	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R197	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R198	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R199	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R201	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R202	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R203	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R204	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R205	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R206	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R207	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R208	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R209	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R210	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R211	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R212	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R213	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R214	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R215	1-216-834-11	s	METAL, CHIP 12K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R216	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R217	1-218-856-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R218	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R219	1-218-829-11	s	METAL, CHIP 180 0.50% 1/16W
R220	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R221	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R222	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R223	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R225	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R226	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R227	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R228	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R229	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R230	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R231	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R232	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R233	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R234	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R235	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R236	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R237	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R238	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R239	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R240	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R241	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R242	1-211-984-11	s	METAL, CHIP 43 0.50% 1/16W
R243	1-211-985-11	s	METAL, CHIP 47 0.50% 1/16W
R244	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R245	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R246	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R247	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R248	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R249	1-218-903-11	s	METAL, CHIP 220K 0.50% 1/16W
R250	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R252	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R254	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R255	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R256	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R257	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R258	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R259	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R260	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R261	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R262	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R263	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R264	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R265	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R266	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R267	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R268	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R269	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R270	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R271	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R272	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R273	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R274	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R275	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R276	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R277	1-218-869-11	s	METAL, CHIP 8.2K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R278	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R279	1-218-901-11	s	METAL, CHIP 180K 0.50% 1
R280	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R281	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R282	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R283	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R286	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R289	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R290	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R291	1-216-862-11	s	METAL, CHIP 2.7M 5% 1/16W
R292	1-216-860-11	s	METAL, CHIP 1.8M 5% 1/16W
R293	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R294	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R295	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R297	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R298	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R299	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R301	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R302	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R303	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R304	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R305	1-218-846-11	s	METAL, CHIP 910 0.50% 1/
R306	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R307	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R308	1-218-847-11	s	METAL, CHIP 1K 0.50% 1/16W
R309	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R310	1-218-852-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R311	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R312	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R313	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R314	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R315	1-216-834-11	s	METAL, CHIP 12K 5% 1/16W
R316	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R317	1-218-856-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R318	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R319	1-218-829-11	s	METAL, CHIP 180 0.50% 1/16W
R320	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R321	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R322	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R323	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R325	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R326	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R327	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R328	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R329	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R330	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R331	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R332	1-218-895-11	s	METAL, CHIP 100K 0.50% 1/16W
R333	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R334	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R335	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R336	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R337	1-218-874-11	s	METAL, CHIP 13K 0.50% 1/16W
R338	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R339	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R340	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R341	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R342	1-211-984-11	s	METAL, CHIP 43 0.50% 1/16W
R343	1-211-985-11	s	METAL, CHIP 47 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R344	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R345	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R346	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R347	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R348	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R349	1-218-903-11	s	METAL, CHIP 220K 0.50% 1/16W
R350	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R352	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R354	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R355	1-218-855-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R356	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R357	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R358	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R359	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R360	1-218-839-11	s	METAL, CHIP 470 0.50% 1/16W
R361	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R362	1-218-871-11	s	METAL, CHIP 10K 0.50% 1/16W
R363	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R364	1-218-857-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R365	1-218-837-11	s	METAL, CHIP 390 0.50% 1/16W
R366	1-218-838-11	s	METAL, CHIP 430 0.50% 1/16W
R367	1-218-849-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R368	1-216-826-11	s	METAL, CHIP 2.7K 5% 1/16W
R369	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R370	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R371	1-218-864-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R372	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R373	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R374	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R375	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R376	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R377	1-218-869-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R378	1-218-873-11	s	METAL, CHIP 12K 0.50% 1/16W
R379	1-218-901-11	s	METAL, CHIP 180K 0.50% 1
R380	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R381	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R382	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R383	1-216-833-11	s	METAL, CHIP 10K 5% 1/16W
R386	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R389	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R390	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R391	1-216-862-11	s	METAL, CHIP 2.7M 5% 1/16W
R392	1-216-860-11	s	METAL, CHIP 1.8M 5% 1/16W
R393	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R394	1-218-907-11	s	METAL, CHIP 330K 0.50% 1/16W
R395	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R397	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R398	1-218-865-11	s	METAL, CHIP 5.6K 0.50% 1/16W
R399	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
RB1	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB2	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB101	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB102	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB103	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB201	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB202	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB203	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB301	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB302	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB303	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4

FRAME

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-473-883-21	s	CONVERTER UNIT, DC-DC
1pc	1-758-131-11	o	FILTER UNIT, OPTICAL
3pcs	1-777-764-11	s	CABLE, FLAT (20-CORE)(MB-CN)
1pc	1-777-768-11	s	CABLE, FLAT (30-CORE)(MB-TG)
1pc	1-956-511-11	o	HARNESS, SUB (DEF)
1pc	1-956-512-11	o	HARNESS, SUB (FL)(MB-SE)
1pc	1-956-527-11	o	HARNESS, SUB (VCO)
FB101	1-500-249-11	s	BEAD, FERRITE (CASE)
FB102	1-500-249-11	s	BEAD, FERRITE (CASE)
FB103	1-500-249-11	s	BEAD, FERRITE (CASE)
FB104	1-543-936-11	s	CORE (FPC)
FB105	1-543-936-11	s	CORE (FPC)
FB106	1-543-936-11	s	CORE (FPC)

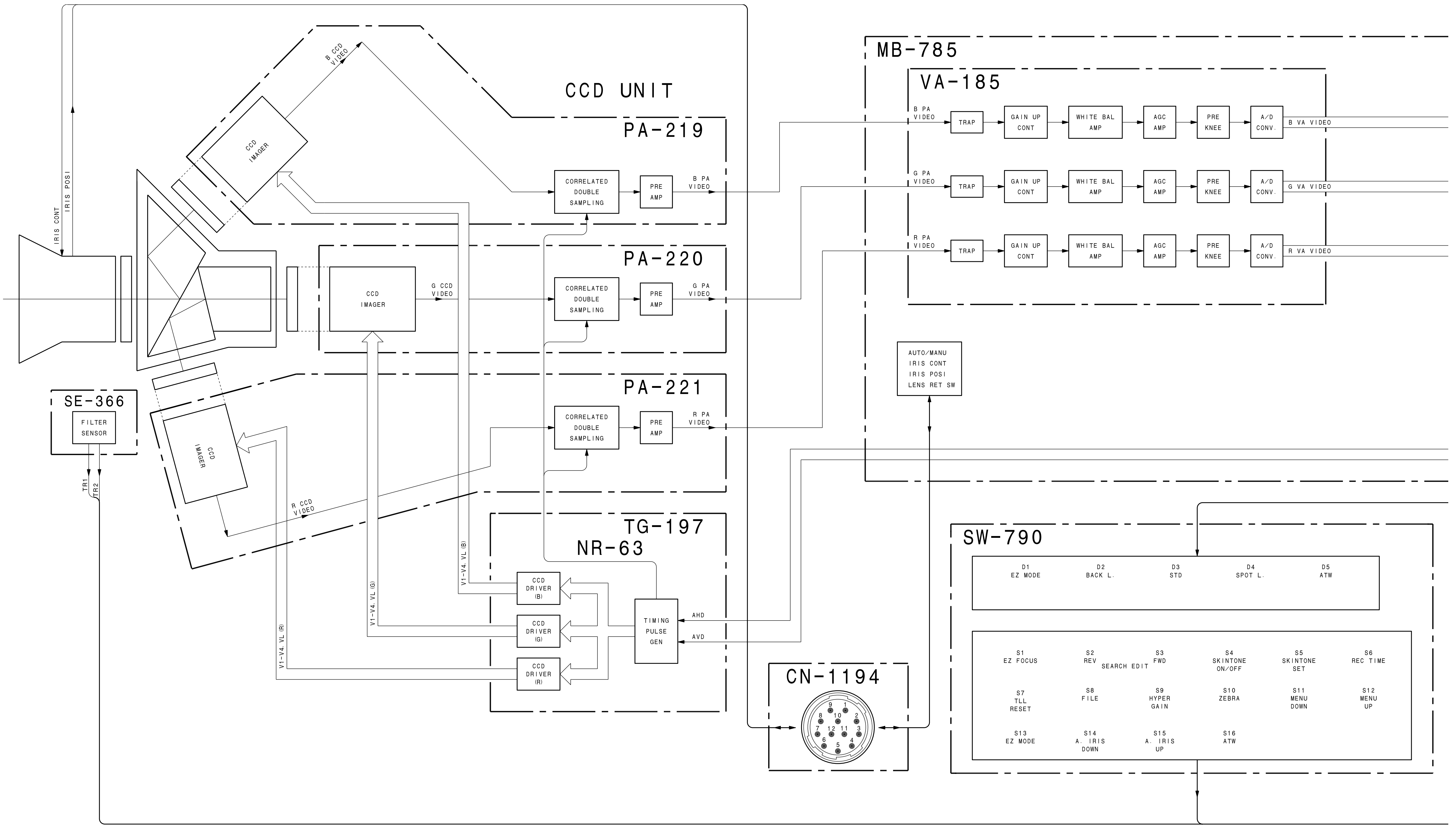
SUPPLIED ACCESSORIES

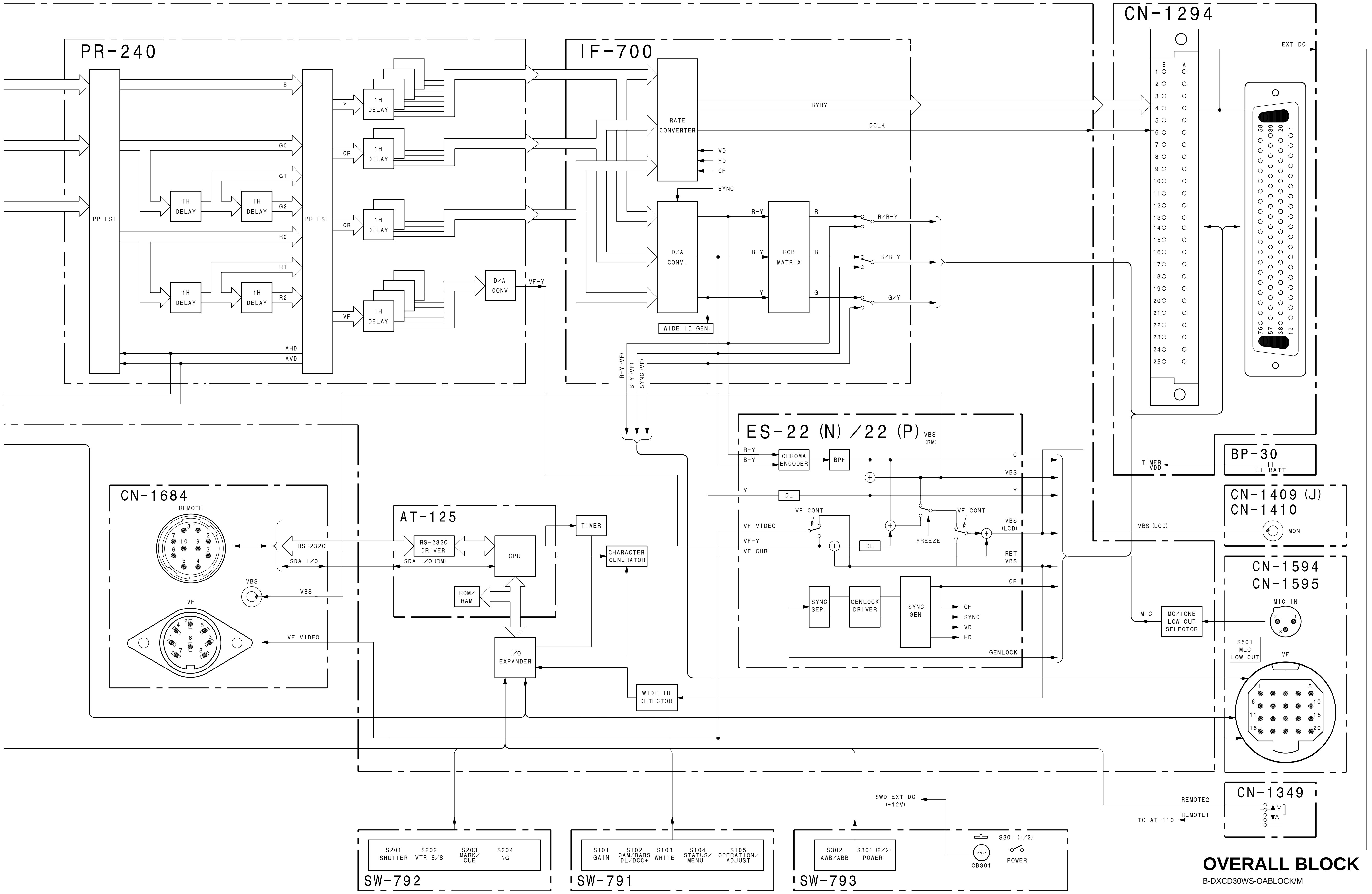
Ref. No. or Q'ty	Part No.	SP	Description
1pc	3-764-889-01	o	CHART, ADJUSTMENT
1pc	3-858-217-04	s	MANUAL, INSTRUCTION(JAPANESE)
1pc	3-858-217-14	s	MANUAL, INSTRUCTION(ENGLISH)
1pc	3-858-217-24	s	MANUAL, INSTRUCTION(FRENCH)
1pc	3-858-217-34	s	MANUAL, INSTRUCTION(GERMAN)
1pc	3-858-217-44	s	MANUAL, INSTRUCTION(ITALIAN)
1pc	3-858-217-54	s	MANUAL, INSTRUCTION(CHINESE)
1pc	1-542-296-21	o	MICROPHONE
1pc	3-179-882-01	o	SPACER, MICROPHONE

http://getMANUAL.com

SECTION 6
BLOCK DIAGRAMS

OVERALL BLOCK


IRIS CONT
IRIS POSI
B CCD VIDEO
CCD IMAGER
CCD UNIT
PA-219
CORRELATED DOUBLE SAMPLING
PRE AMP
B PA VIDEO
PA-220
CCD IMAGER
G CCD VIDEO
CORRELATED DOUBLE SAMPLING
PRE AMP
G PA VIDEO
PA-221
CORRELATED DOUBLE SAMPLING
PRE AMP
R PA VIDEO
CCD IMAGER
R CCD VIDEO
SE-366
FILTER SENSOR
TR1
TR2
TG-197
NR-63
V1-V4, VL (B)
V1-V4, VL (G)
V1-V4, VL (R)
CCD DRIVER (B)
CCD DRIVER (G)
CCD DRIVER (R)
TIMING PULSE GEN
AHD
AVD
MB-785
VA-185
B PA VIDEO
G PA VIDEO
R PA VIDEO
TRAP
GAIN UP CONT
WHITE BAL AMP
AGC AMP
PRE KNEE
A/D CONV.
B VA VIDEO
G VA VIDEO
R VA VIDEO
AUTO/MANU IRIS CONT IRIS POSI LENS RET SW
CN-1194
1 2 3 4 5 6 7 8 9 10 11 12
SW-790
D1 EZ MODE
D2 BACK L.
D3 STD
D4 SPOT L.
D5 ATW
S1 EZ FOCUS
S2 REV
SEARCH EDIT
S3 FWD
S4 SKINTONE ON/OFF
S5 SKINTONE SET
S6 REC TIME
S7 TLL RESET
S8 FILE
S9 HYPER GAIN
S10 ZEBRA
S11 MENU DOWN
S12 MENU UP
S13 EZ MODE
S14 A. IRIS DOWN
S15 A. IRIS UP
S16 ATW

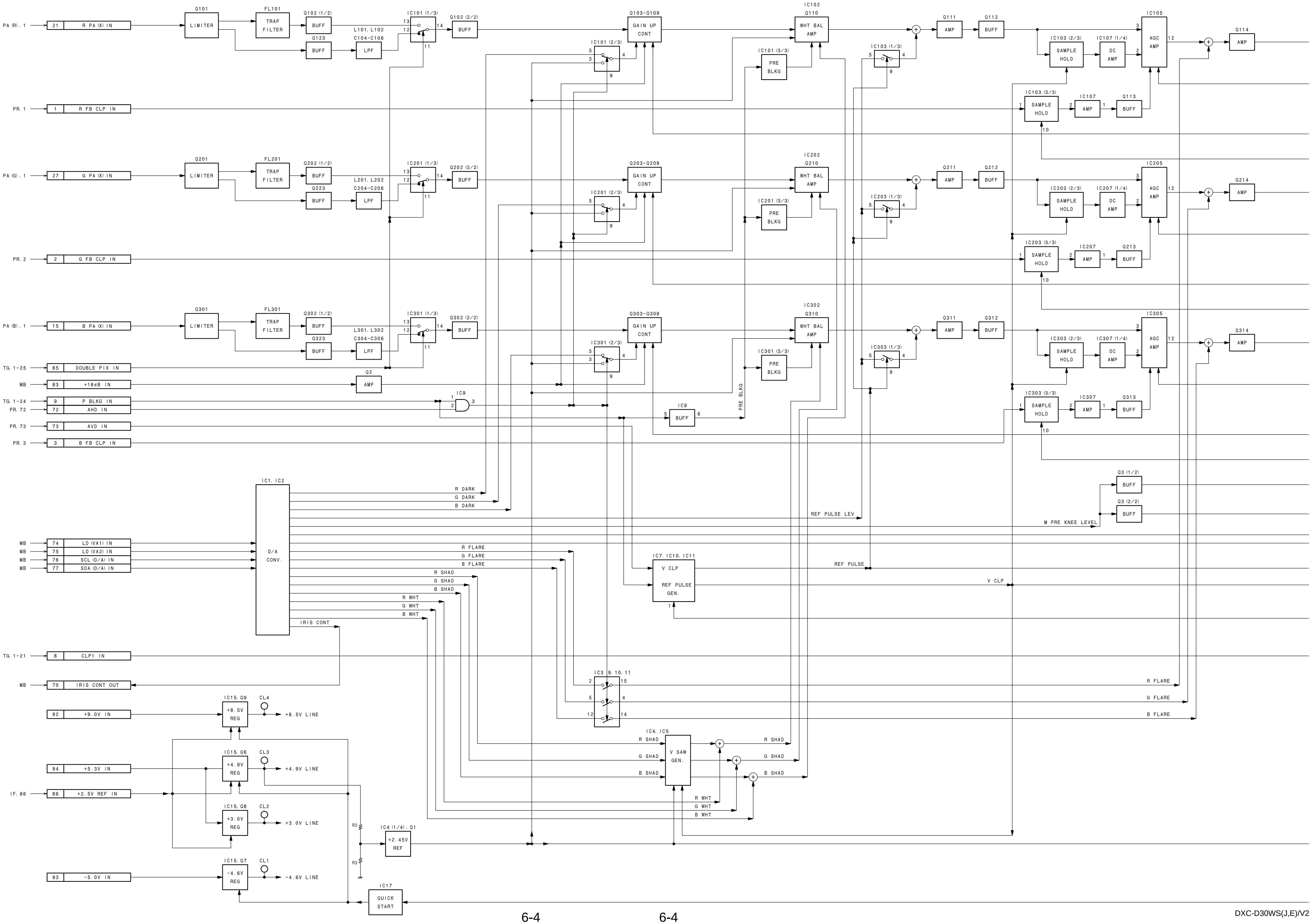

PR-240
PP LSI
PR LSI
B
G0
G1
G2
R0
R1
R2
1H DELAY
Y
CR
CB
VF
D/A CONV.
VF-Y
AHD
AVD
IF-700
RATE CONVERTER
VD
HD
CF
SYNC
D/A CONV.
R-Y
B-Y
Y
RGB MATRIX
R
B
G
R/R-Y
B/B-Y
G/Y
WIDE ID GEN.
BYRY
DCLK
R-Y (VF)
B-Y (VF)
SYNC (VF)
CN-1294
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
EXT DC
58
39
20
1
76
57
38
19
ES-22 (N) /22 (P)
VBS (RM)
R-Y
B-Y
CHROMA ENCODER
BPF
C
VBS
Y
DL
VF CONT
VF VIDEO
VF-Y
VF CHR
FREEZE
VBS (LCD)
RET VBS
CF
SYNC SEP.
GENLOCK DRIVER
SYNC. GEN
CF
SYNC
VD
HD
GENLOCK
BP-30
TIMER VDD
Li BATT
CN-1409 (J)
CN-1410
VBS (LCD)
MON
CN-1594
CN-1595
MIC IN
MIC
MC/TONE LOW CUT SELECTOR
S501 MLC LOW CUT
VF
CN-1684
REMOTE
VBS
VF
VF VIDEO
RS-232C
SDA I/O
AT-125
RS-232C DRIVER
SDA I/O (RM)
CPU
ROM/RAM
TIMER
CHARACTER GENERATOR
I/O EXPANDER
WIDE ID DETECTOR
CN-1349
REMOTE2
REMOTE1
TO AT-110
SWD EXT DC (+12V)
S201 SHUTTER
S202 VTR S/S
S203 MARK/CUE
S204 NG
SW-792
S101 GAIN
S102 CAM/BARS DL/DCC+
S103 WHITE
S104 STATUS/MENU
S105 OPERATION/ADJUST
SW-791
S302 AWB/ABB
S301 (2/2) POWER
S301 (1/2)
POWER
CB301
SW-793

OVERALL BLOCK

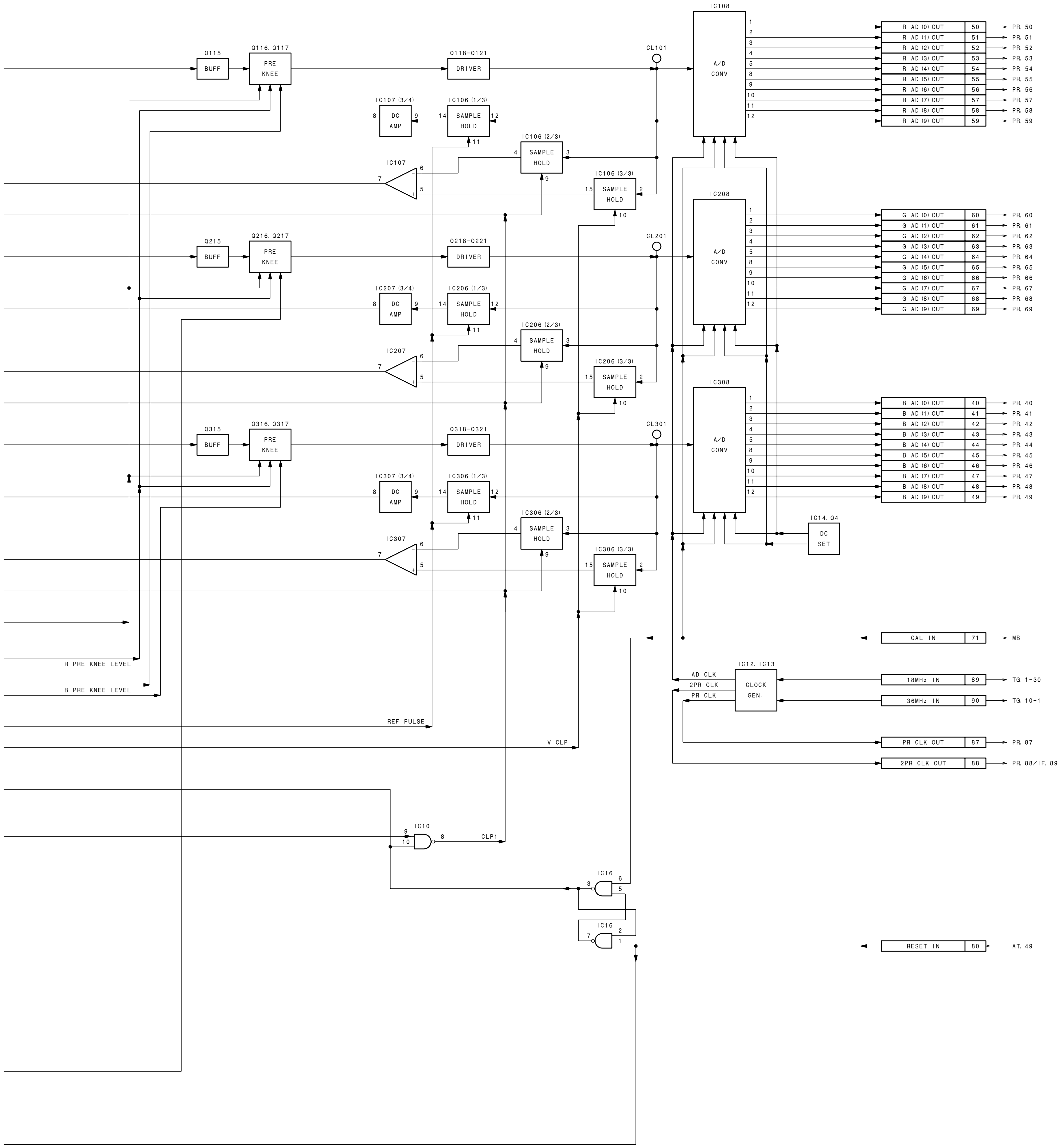
B-DXCD30WS-OABLOCK/M

VA-185 BLOCK

VA-185 BLOCK


PA (R), 1
21 R PA (X) IN
Q101 LIMITER
FL101 TRAP FILTER
Q102 (1/2) BUFF
Q123 BUFF
L101, L102
C104-C106
LPF
IC101 (1/3)
Q102 (2/2) BUFF
Q103-Q109 GAIN UP CONT
IC101 (2/3)
IC101 (3/3) PRE BLKG
IC102 Q110 WHT BAL AMP
IC103 (1/3)
Q111 AMP
Q112 BUFF
IC103 (2/3) SAMPLE HOLD
IC107 (1/4) DC AMP
IC105 AGC AMP
Q114 AMP
PR. 1
1 R FB CLP IN
IC103 (3/3) SAMPLE HOLD
IC107 AMP
Q113 BUFF
PA (G), 1
27 G PA (X) IN
Q201 LIMITER
FL201 TRAP FILTER
Q202 (1/2) BUFF
Q223 BUFF
L201, L202
C204-C206
LPF
IC201 (1/3)
Q202 (2/2) BUFF
Q203-Q209 GAIN UP CONT
IC201 (2/3)
IC201 (3/3) PRE BLKG
IC202 Q210 WHT BAL AMP
IC203 (1/3)
Q211 AMP
Q212 BUFF
IC203 (2/3) SAMPLE HOLD
IC207 (1/4) DC AMP
IC205 AGC AMP
Q214 AMP
PR. 2
2 G FB CLP IN
IC203 (3/3) SAMPLE HOLD
IC207 AMP
Q213 BUFF
PA (B), 1
15 B PA (X) IN
Q301 LIMITER
FL301 TRAP FILTER
Q302 (1/2) BUFF
Q323 BUFF
L301, L302
C304-C306
LPF
IC301 (1/3)
Q302 (2/2) BUFF
Q303-Q309 GAIN UP CONT
IC301 (2/3)
IC301 (3/3) PRE BLKG
IC302 Q310 WHT BAL AMP
IC303 (1/3)
Q311 AMP
Q312 BUFF
IC303 (2/3) SAMPLE HOLD
IC307 (1/4) DC AMP
IC305 AGC AMP
Q314 AMP
IC303 (3/3) SAMPLE HOLD
IC307 AMP
Q313 BUFF
TG. 1-25
85 DOUBLE PIX IN
MB
83 +18dB IN
Q2 AMP
TG. 1-24
9 P BLKG IN
PR. 72
72 AHD IN
IC9
IC9 BUFF
PRE BLKG
PR. 73
73 AVD IN
PR. 3
3 B FB CLP IN
IC1, IC2
D/A CONV.
R DARK
G DARK
B DARK
REF PULSE LEV
M PRE KNEE LEVEL
Q3 (1/2) BUFF
Q3 (2/2) BUFF
MB
74 LD (VA1) IN
75 LD (VA2) IN
76 SCL (D/A) IN
77 SDA (D/A) IN
R FLARE
G FLARE
B FLARE
R SHAD
G SHAD
B SHAD
R WHT
G WHT
B WHT
IRIS CONT
IC7, IC10, IC11
V CLP
REF PULSE GEN.
REF PULSE
V CLP
TG. 1-21
8 CLP1 IN
MB
70 IRIS CONT OUT
IC3, 9, 10, 11
R FLARE
G FLARE
B FLARE
IC15, Q9 +8.5V REG
CL4
+8.5V LINE
92 +9.0V IN
IC4, IC5 V SAW GEN.
R SHAD
G SHAD
B SHAD
R SHAD
G SHAD
B SHAD
R WHT
G WHT
B WHT
IC15, Q6 +4.9V REG
CL3
+4.9V LINE
94 +5.3V IN
IF. 86
86 +2.5V REF IN
IC15, Q8 +3.0V REG
CL2
+3.0V LINE
R2
R3
IC4 (1/4), Q1 +2.45V REF
IC15, Q7 -4.6V REG
CL1
-4.6V LINE
93 -5.0V IN
IC17 QUICK START

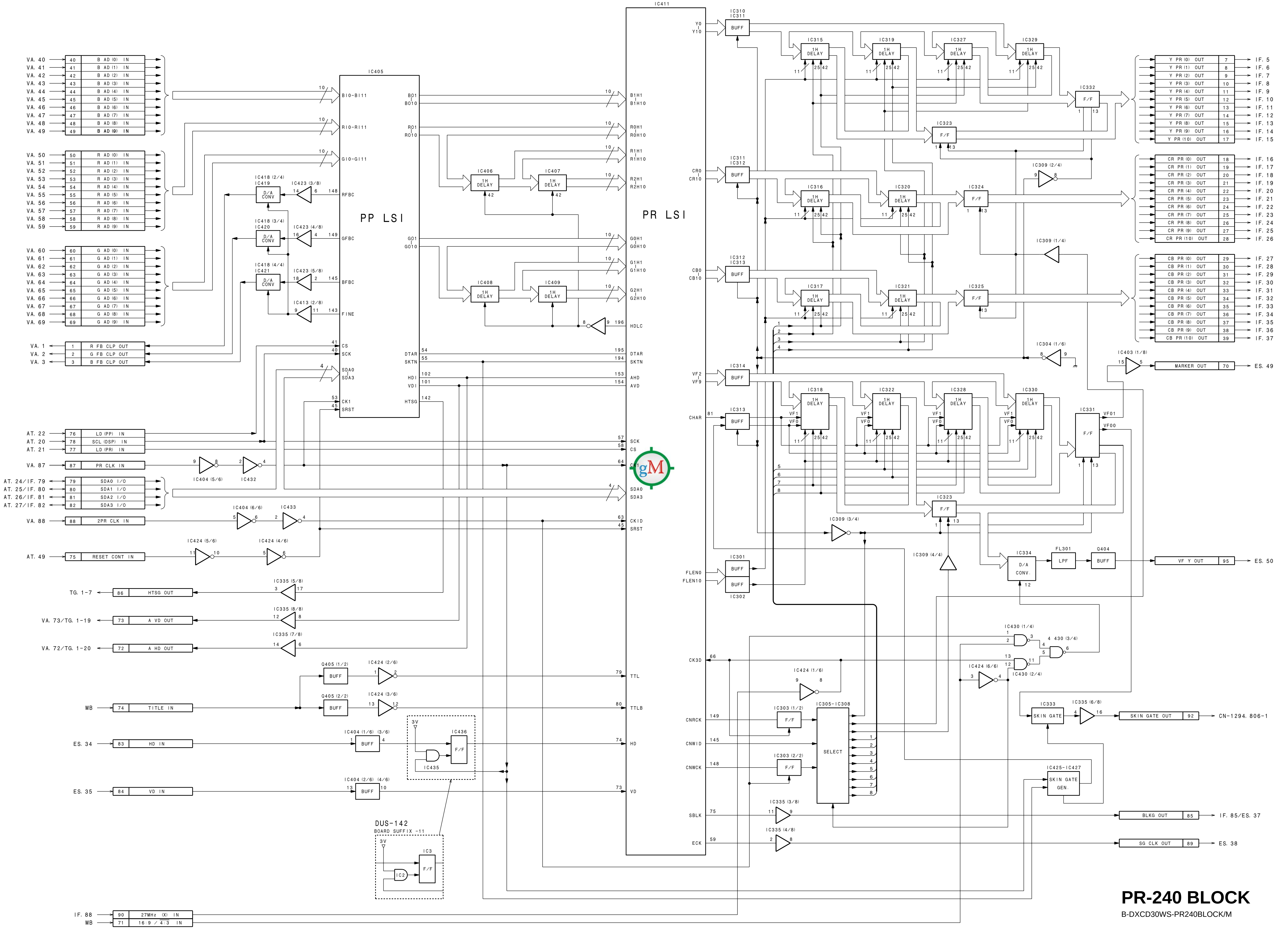
VA-185 BLOCK


IC108
A/D
CONV
R AD (0) OUT 50 PR. 50
R AD (1) OUT 51 PR. 51
R AD (2) OUT 52 PR. 52
R AD (3) OUT 53 PR. 53
R AD (4) OUT 54 PR. 54
R AD (5) OUT 55 PR. 55
R AD (6) OUT 56 PR. 56
R AD (7) OUT 57 PR. 57
R AD (8) OUT 58 PR. 58
R AD (9) OUT 59 PR. 59
Q115
BUFF
Q116, Q117
PRE
KNEE
Q118–Q121
DRIVER
CL101
IC107 (3/4)
DC
AMP
IC106 (1/3)
SAMPLE
HOLD
IC106 (2/3)
IC107
IC106 (3/3)
IC208
G AD (0) OUT 60 PR. 60
G AD (1) OUT 61 PR. 61
G AD (2) OUT 62 PR. 62
G AD (3) OUT 63 PR. 63
G AD (4) OUT 64 PR. 64
G AD (5) OUT 65 PR. 65
G AD (6) OUT 66 PR. 66
G AD (7) OUT 67 PR. 67
G AD (8) OUT 68 PR. 68
G AD (9) OUT 69 PR. 69
Q215
Q216, Q217
Q218–Q221
CL201
IC207 (3/4)
IC206 (1/3)
IC206 (2/3)
IC207
IC206 (3/3)
IC308
B AD (0) OUT 40 PR. 40
B AD (1) OUT 41 PR. 41
B AD (2) OUT 42 PR. 42
B AD (3) OUT 43 PR. 43
B AD (4) OUT 44 PR. 44
B AD (5) OUT 45 PR. 45
B AD (6) OUT 46 PR. 46
B AD (7) OUT 47 PR. 47
B AD (8) OUT 48 PR. 48
B AD (9) OUT 49 PR. 49
Q315
Q316, Q317
Q318–Q321
CL301
IC307 (3/4)
IC306 (1/3)
IC306 (2/3)
IC307
IC306 (3/3)
IC14, Q4
DC
SET
CAL IN 71 MB
IC12, IC13
CLOCK
GEN.
AD CLK
2PR CLK
PR CLK
18MHz IN 89 TG. 1-30
36MHz IN 90 TG. 10-1
PR CLK OUT 87 PR. 87
2PR CLK OUT 88 PR. 88/IF. 89
R PRE KNEE LEVEL
B PRE KNEE LEVEL
REF PULSE
V CLP
IC10
CLP1
IC16
RESET IN 80 AT. 49

VA-185 BLOCK

B-DXCD30WS-VA185BLOCK/M

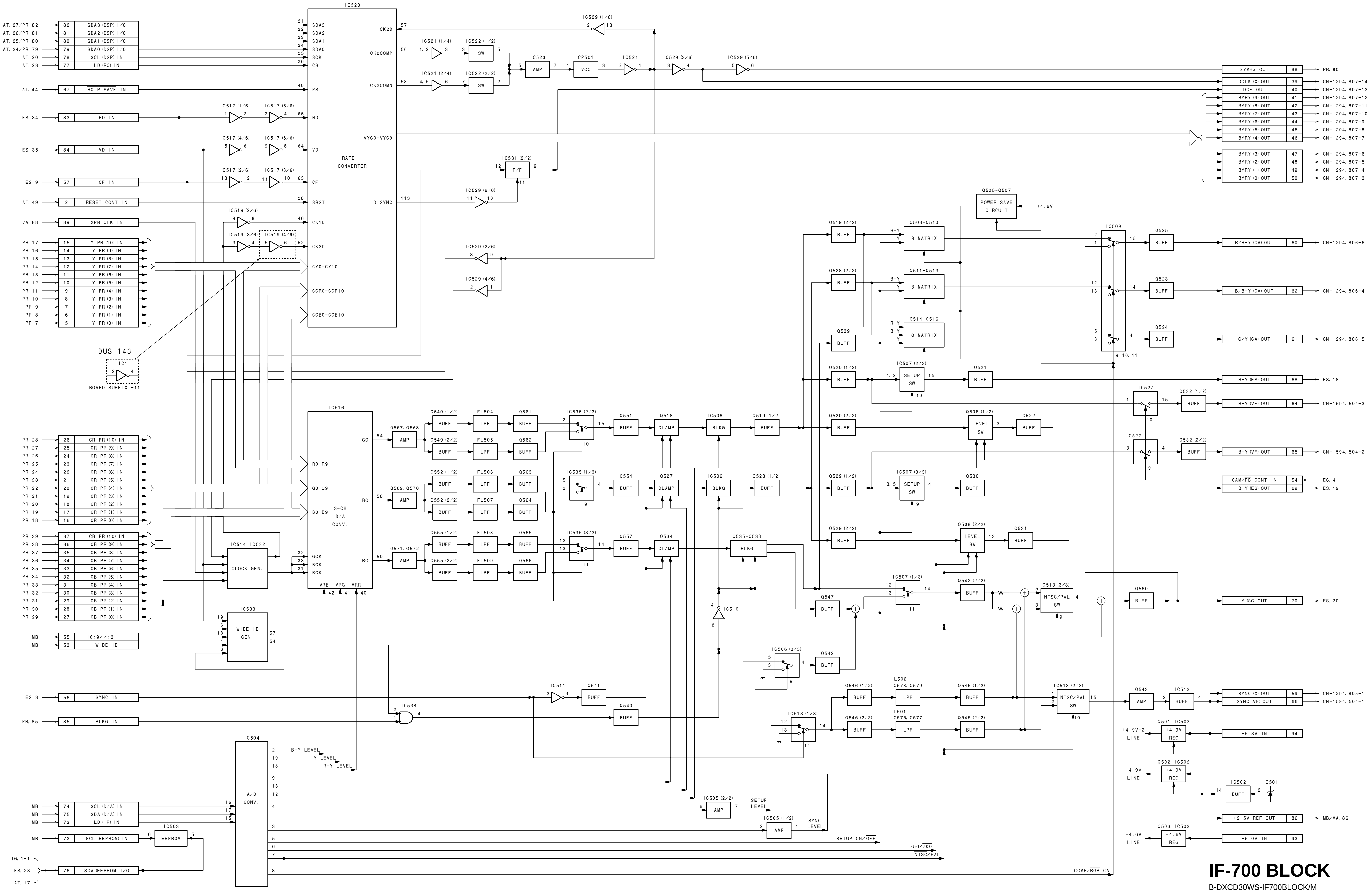
6-5


IC405
PP LSI
IC411
PR LSI
VA. 40 – VA. 49 B AD (0) IN – B AD (9) IN
VA. 50 – VA. 59 R AD (0) IN – R AD (9) IN
VA. 60 – VA. 69 G AD (0) IN – G AD (9) IN
VA. 1 R FB CLP OUT
VA. 2 G FB CLP OUT
VA. 3 B FB CLP OUT
AT. 22 LD (PP) IN
AT. 20 SCL (DSP) IN
AT. 21 LD (PR) IN
VA. 87 PR CLK IN
AT. 24/IF. 79 SDA0 I/O
AT. 25/IF. 80 SDA1 I/O
AT. 26/IF. 81 SDA2 I/O
AT. 27/IF. 82 SDA3 I/O
VA. 88 2PR CLK IN
AT. 49 RESET CONT IN
TG. 1-7 HTSG OUT
VA. 73/TG. 1-19 A VD OUT
VA. 72/TG. 1-20 A HD OUT
MB TITLE IN
ES. 34 HD IN
ES. 35 VD IN
IF. 88 27MHz (X) IN
MB 16:9 / 4:3 IN
IC418 D/A CONV
IC406 IC407 IC408 IC409 1H DELAY
IC315 IC316 IC317 IC318 IC319 IC320 IC321 IC322 IC327 IC328 IC329 IC330 1H DELAY
IC323 IC324 IC325 IC331 IC332 F/F
IC334 D/A CONV.
FL301 LPF
Q404 BUFF
IC305-IC308 SELECT
IC333 SKIN GATE
IC425-IC427 SKIN GATE GEN.
DUS-142 BOARD SUFFIX -11
Y PR (0) OUT – Y PR (10) OUT IF. 5 – IF. 15
CR PR (0) OUT – CR PR (10) OUT IF. 16 – IF. 26
CB PR (0) OUT – CB PR (10) OUT IF. 27 – IF. 37
MARKER OUT ES. 49
VF Y OUT ES. 50
SKIN GATE OUT CN-1294, 806-1
BLKG OUT IF. 85/ES. 37
SG CLK OUT ES. 38

PR-240 BLOCK

B-DXCD30WS-PR240BLOCK/M

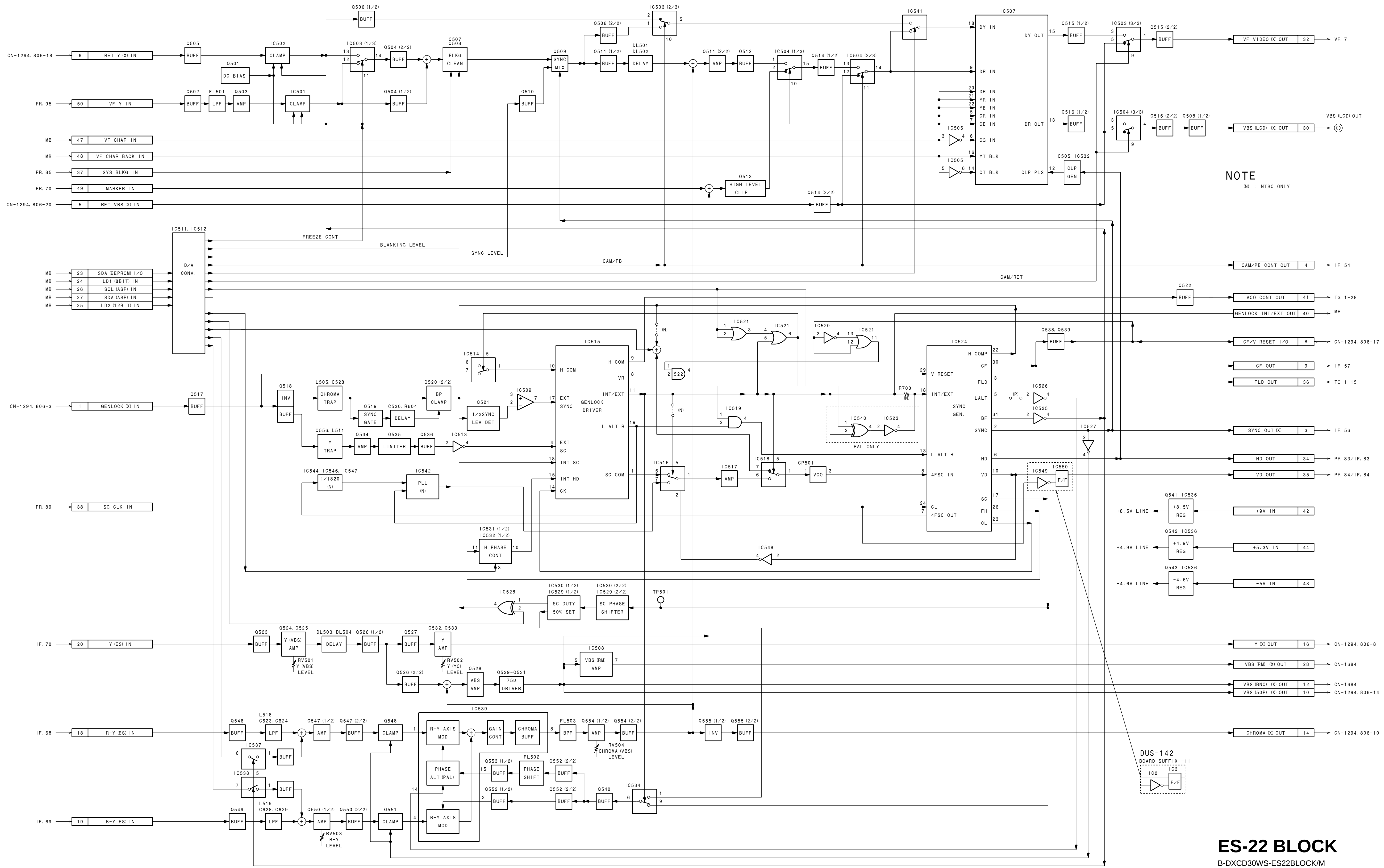
IF-700 BLOCK


IC520
RATE CONVERTER
SDA3 SDA2 SDA1 SDA0 SCK CS PS HD VD CF SRST CK1D CK3D CY0-CY10 CCR0-CCR10 CCB0-CCB10
CK2D CK2COMP CK2COMN VYC0-VYC9 D SYNC
AT. 27/PR. 82 SDA3 (DSP) I/O
AT. 26/PR. 81 SDA2 (DSP) I/O
AT. 25/PR. 80 SDA1 (DSP) I/O
AT. 24/PR. 79 SDA0 (DSP) I/O
AT. 20 SCL (DSP) IN
AT. 23 LD (RC) IN
AT. 44 RC P SAVE IN
ES. 34 HD IN
ES. 35 VD IN
ES. 9 CF IN
AT. 49 RESET CONT IN
VA. 88 2PR CLK IN
Y PR (10) IN … Y PR (0) IN
CR PR (10) IN … CR PR (0) IN
CB PR (10) IN … CB PR (0) IN
MB 16:9/4:3
MB WIDE ID
ES. 3 SYNC IN
PR. 85 BLKG IN
MB SCL (D/A) IN
MB SDA (D/A) IN
MB LD (IF) IN
MB SCL (EEPROM) IN
TG. 1-1 ES. 23 AT. 17 SDA (EEPROM) I/O
IC517 IC519 IC521 IC522 SW IC523 AMP CP501 VCO IC524 IC529 IC531 F/F
DUS-143 IC1 BOARD SUFFIX -11
IC514. IC532 CLOCK GEN.
IC516 3-CH D/A CONV. R0-R9 G0-G9 B0-B9 GCK BCK RCK VRB VRG VRR G0 B0 R0
IC533 WIDE ID GEN.
IC504 A/D CONV. B-Y LEVEL Y LEVEL R-Y LEVEL
IC503 EEPROM
Q567. Q568 AMP Q569. Q570 AMP Q571. Q572 AMP
Q549 Q552 Q555 BUFF FL504 FL505 FL506 FL507 FL508 FL509 LPF Q561-Q566 BUFF
IC535 Q551 Q554 Q557 BUFF Q518 Q527 Q534 CLAMP IC506 BLKG Q535-Q538 BLKG
Q519 Q528 Q529 Q539 Q520 BUFF
Q508-Q510 R MATRIX Q511-Q513 B MATRIX Q514-Q516 G MATRIX
Q505-Q507 POWER SAVE CIRCUIT +4.9V
IC507 SETUP SW IC509 Q525 Q523 Q524 BUFF Q521 Q522 Q530 Q531 BUFF
Q508 LEVEL SW IC527 Q532 BUFF
IC510 IC511 Q541 Q540 IC538 IC506 (3/3) Q542 Q547 Q542 (2/2)
Q513 (3/3) NTSC/PAL SW Q560 BUFF
IC505 (2/2) AMP SETUP LEVEL IC505 (1/2) AMP SYNC LEVEL
IC513 Q546 BUFF L502 C578. C579 L501 C576. C577 LPF Q545 BUFF
IC513 (2/3) NTSC/PAL SW Q543 AMP IC512 BUFF
SETUP ON/OFF 756/700 NTSC/PAL COMP/RGB CA
27MHz OUT 88 PR. 90
DCLK (X) OUT 39 CN-1294. 807-14
DCF OUT 40 CN-1294. 807-13
BYRY (9) OUT … BYRY (0) OUT CN-1294. 807-12 … 807-3
R/R-Y (CA) OUT 60 CN-1294. 806-6
B/B-Y (CA) OUT 62 CN-1294. 806-4
G/Y (CA) OUT 61 CN-1294. 806-5
R-Y (ES) OUT 68 ES. 18
R-Y (VF) OUT 64 CN-1594. 504-3
B-Y (VF) OUT 65 CN-1594. 504-2
CAM/PB CONT IN 54 ES. 4
B-Y (ES) OUT 69 ES. 19
Y (SG) OUT 70 ES. 20
SYNC (X) OUT 59 CN-1294. 805-1
SYNC (VF) OUT 66 CN-1594. 504-1
Q501. IC502 +4.9V REG +4.9V-2 LINE
Q502. IC502 +4.9V REG +4.9V LINE
Q503. IC502 -4.6V REG -4.6V LINE
+5.3V IN 94
IC502 BUFF IC501
+2.5V REF OUT 86 MB/VA. 86
-5.0V IN 93

IF-700 BLOCK

B-DXCD30WS-IF700BLOCK/M

ES-22 BLOCK

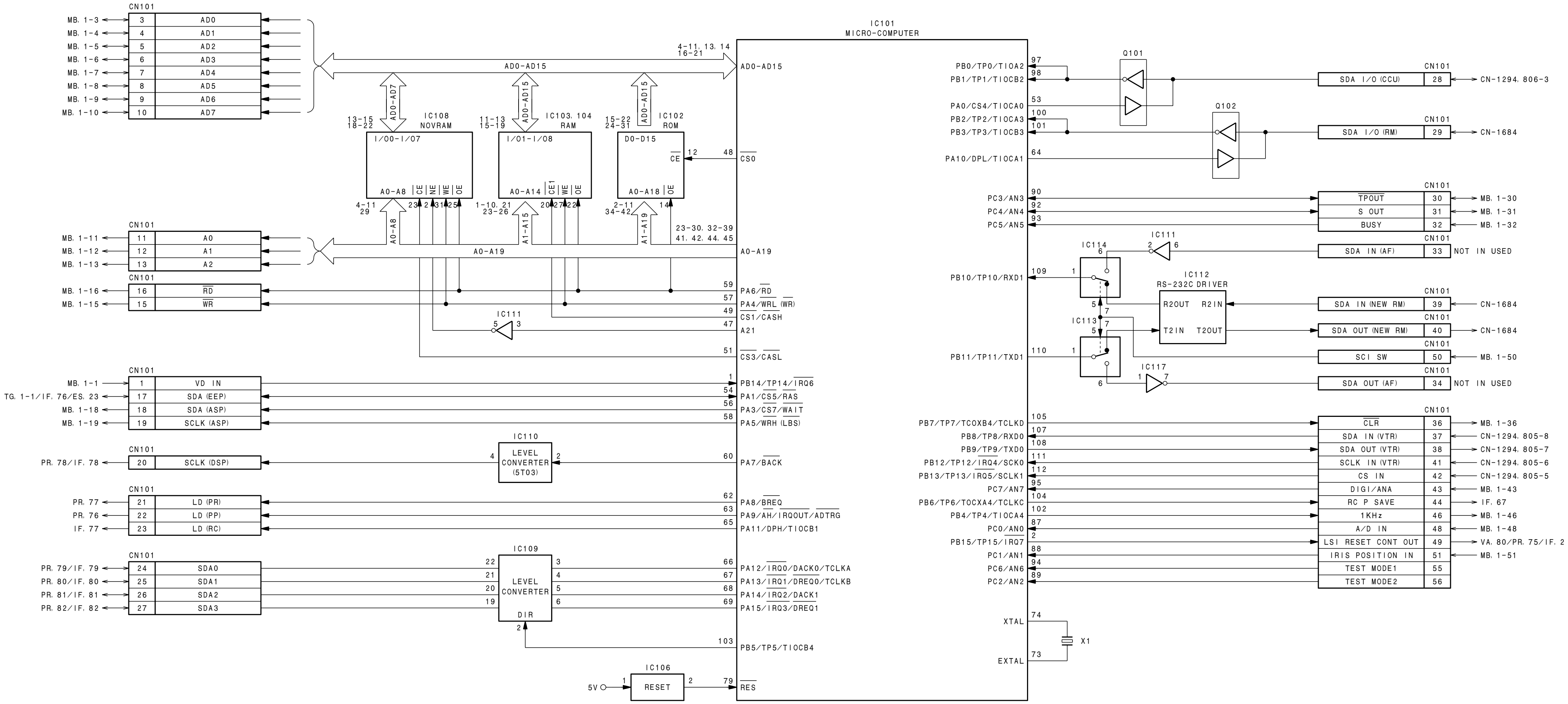

CN-1294. 806-18
6 RET Y (X) IN
PR. 95
50 VF Y IN
MB
47 VF CHAR IN
MB
48 VF CHAR BACK IN
PR. 85
37 SYS BLKG IN
PR. 70
49 MARKER IN
CN-1294. 806-20
5 RET VBS (X) IN
MB
23 SDA (EEPROM) I/O
24 LD1 (8BIT) IN
26 SCL (ASP) IN
27 SDA (ASP) IN
25 LD2 (12BIT) IN
CN-1294. 806-3
1 GENLOCK (X) IN
PR. 89
38 SG CLK IN
IF. 70
20 Y (ES) IN
IF. 68
18 R-Y (ES) IN
IF. 69
19 B-Y (ES) IN
Q505 BUFF
Q501 DC BIAS
IC502 CLAMP
Q502 BUFF
FL501 LPF
Q503 AMP
IC501 CLAMP
Q506 (1/2) BUFF
IC503 (1/3)
Q504 (2/2) BUFF
Q504 (1/2) BUFF
Q507 Q508 BLKG CLEAN
Q509 SYNC MIX
Q510 BUFF
IC503 (2/3)
Q506 (2/2) BUFF
Q511 (1/2) BUFF
DL501 DL502 DELAY
Q511 (2/2) AMP
Q512 BUFF
IC504 (1/3)
Q514 (1/2) BUFF
IC504 (2/3)
Q513 HIGH LEVEL CLIP
Q514 (2/2) BUFF
IC541
IC507
DY IN
DY OUT
DR IN
YR IN
YB IN
CR IN
CB IN
DR OUT
CG IN
YT BLK
CT BLK
CLP PLS
IC505
IC505. IC532 CLP GEN
Q515 (1/2) BUFF
IC503 (3/3)
Q515 (2/2) BUFF
Q516 (1/2) BUFF
IC504 (3/3)
Q516 (2/2) BUFF
Q508 (1/2) BUFF
VF VIDEO (X) OUT 32 VF. 7
VBS (LCD) (X) OUT 30
VBS (LCD) OUT
NOTE
(N) : NTSC ONLY
IC511. IC512 D/A CONV.
FREEZE CONT.
BLANKING LEVEL
SYNC LEVEL
CAM/PB
CAM/RET
CAM/PB CONT OUT 4 IF. 54
Q522 BUFF
VCO CONT OUT 41 TG. 1-28
GENLOCK INT/EXT OUT 40 MB
Q538. Q539 BUFF
CF/V RESET I/O 8 CN-1294. 806-17
CF OUT 9 IF. 57
FLD OUT 36 TG. 1-15
SYNC OUT (X) 3 IF. 56
HD OUT 34 PR. 83/IF. 83
VD OUT 35 PR. 84/IF. 84
Q517 BUFF
Q518 INV BUFF
L505. C528 CHROMA TRAP
Q519 SYNC GATE
C530. R604 DELAY
Q520 (2/2) BP CLAMP
Q521 1/2SYNC LEV DET
IC509
Q556. L511 Y TRAP
Q534 AMP
Q535 LIMITER
Q536 BUFF
IC513
IC514
IC515
H COM
VR
INT/EXT
EXT SYNC
GENLOCK DRIVER
L ALT R
EXT SC
INT SC
INT HD
CK
SC COM
IC544. IC546. IC547 1/1820 (N)
IC542 PLL (N)
IC531 (1/2) IC532 (1/2) H PHASE CONT
IC528
IC530 (1/2) IC529 (1/2) SC DUTY 50% SET
IC530 (2/2) IC529 (2/2) SC PHASE SHIFTER
TP501
IC522
IC521
IC520
IC519
IC540
IC523
PAL ONLY
IC516
IC517 AMP
IC518
CP501 VCO
IC548
R700 (N)
IC524
H COMP
V RESET
CF
FLD
INT/EXT
SYNC GEN.
LALT
BF
SYNC
L ALT R
HD
4FSC IN
VD
SC
CL
4FSC OUT
FH
IC526
IC525
IC527
IC549
IC550 F/F
(P)
Q541. IC536 +8.5V REG
+8.5V LINE
+9V IN 42
Q542. IC536 +4.9V REG
+4.9V LINE
+5.3V IN 44
Q543. IC536 -4.6V REG
-4.6V LINE
-5V IN 43
Q523 BUFF
Q524. Q525 Y (VBS) AMP
RV501 Y (VBS) LEVEL
DL503. DL504 DELAY
Q526 (1/2) BUFF
Q527 BUFF
Q532. Q533 Y AMP
RV502 Y (YC) LEVEL
Q526 (2/2) BUFF
Q528 VBS AMP
Q529-Q531 75Ω DRIVER
IC508 VBS (RM) AMP
Y (X) OUT 16 CN-1294. 806-8
VBS (RM) (X) OUT 28 CN-1684
VBS (BNC) (X) OUT 12 CN-1684
VBS (50P) (X) OUT 10 CN-1294. 806-14
Q546 BUFF
L518 C623. C624 LPF
Q547 (1/2) AMP
Q547 (2/2) BUFF
Q548 CLAMP
IC537 BUFF
IC538 BUFF
L519 C628. C629 LPF
Q549 BUFF
Q550 (1/2) AMP
Q550 (2/2) BUFF
Q551 CLAMP
RV503 B-Y LEVEL
IC539
R-Y AXIS MOD
GAIN CONT
CHROMA BUFF
PHASE ALT (PAL)
B-Y AXIS MOD
FL503 BPF
Q554 (1/2) AMP
Q554 (2/2) BUFF
RV504 CHROMA (VBS) LEVEL
Q553 (1/2) BUFF
FL502 PHASE SHIFT
Q552 (2/2) BUFF
Q552 (1/2) BUFF
Q552 (2/2) BUFF
Q540 BUFF
IC534
Q555 (1/2) INV
Q555 (2/2) BUFF
CHROMA (X) OUT 14 CN-1294. 806-10
DUS-142 BOARD SUFFIX -11
IC2
IC3 F/F

ES-22 BLOCK

B-DXCD30WS-ES22BLOCK/M

6-8

AT-125 BLOCK

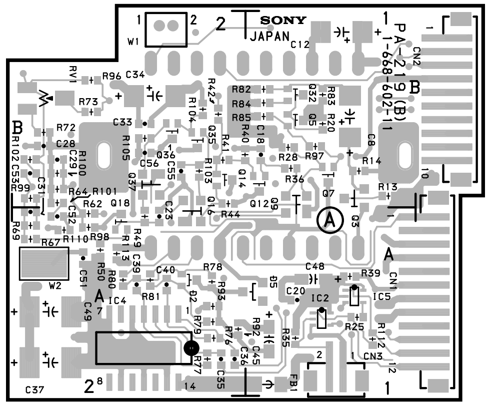

CN101
MB. 1-3 · 3 · AD0
MB. 1-4 · 4 · AD1
MB. 1-5 · 5 · AD2
MB. 1-6 · 6 · AD3
MB. 1-7 · 7 · AD4
MB. 1-8 · 8 · AD5
MB. 1-9 · 9 · AD6
MB. 1-10 · 10 · AD7
AD0-AD15
AD0-AD7
IC108 NOVRAM
I/O0-I/O7
A0-A8 CE NE WE OE
IC103, 104 RAM
I/O1-I/O8
A0-A14 CE1 WE OE
IC102 ROM
D0-D15
CE
A0-A18 OE
AD0-AD15
A0-A8
A1-A15
A1-A19
A0-A19
13-15 18-22
11-13 15-19
15-22 24-31
4-11 29
1-10, 21 23-26
2-11 34-42
23-30, 32-39 41, 42, 44, 45
4-11, 13, 14 16-21
MB. 1-11 · 11 · A0
MB. 1-12 · 12 · A1
MB. 1-13 · 13 · A2
MB. 1-16 · 16 · RD
MB. 1-15 · 15 · WR
IC111
MB. 1-1 · 1 · VD IN
TG. 1-1/IF. 76/ES. 23 · 17 · SDA (EEP)
MB. 1-18 · 18 · SDA (ASP)
MB. 1-19 · 19 · SCLK (ASP)
PR. 78/IF. 78 · 20 · SCLK (DSP)
IC110 LEVEL CONVERTER (5T03)
PR. 77 · 21 · LD (PR)
PR. 76 · 22 · LD (PP)
IF. 77 · 23 · LD (RC)
PR. 79/IF. 79 · 24 · SDA0
PR. 80/IF. 80 · 25 · SDA1
PR. 81/IF. 81 · 26 · SDA2
PR. 82/IF. 82 · 27 · SDA3
IC109 LEVEL CONVERTER DIR
IC106 RESET
5V
IC101 MICRO-COMPUTER
AD0-AD15
CS0
A0-A19
PA6/RD
PA4/WRL (WR)
CS1/CASH
A21
CS3/CASL
PB14/TP14/IRQ6
PA1/CS5/RAS
PA3/CS7/WAIT
PA5/WRH (LBS)
PA7/BACK
PA8/BREQ
PA9/AH/IRQOUT/ADTRG
PA11/DPH/TIOCB1
PA12/IRQ0/DACK0/TCLKA
PA13/IRQ1/DREQ0/TCLKB
PA14/IRQ2/DACK1
PA15/IRQ3/DREQ1
PB5/TP5/TIOCB4
RES
PB0/TP0/TIOA2
PB1/TP1/TIOCB2
PA0/CS4/TIOCA0
PB2/TP2/TIOCA3
PB3/TP3/TIOCB3
PA10/DPL/TIOCA1
PC3/AN3
PC4/AN4
PC5/AN5
PB10/TP10/RXD1
PB11/TP11/TXD1
PB7/TP7/TCOXB4/TCLKD
PB8/TP8/RXD0
PB9/TP9/TXD0
PB12/TP12/IRQ4/SCK0
PB13/TP13/IRQ5/SCLK1
PC7/AN7
PB6/TP6/TOCXA4/TCLKC
PB4/TP4/TIOCA4
PC0/AN0
PB15/TP15/IRQ7
PC1/AN1
PC6/AN6
PC2/AN2
XTAL
EXTAL
X1
Q101
Q102
CN101
SDA I/O (CCU) · 28 · CN-1294, 806-3
SDA I/O (RM) · 29 · CN-1684
TPOUT · 30 · MB. 1-30
S OUT · 31 · MB. 1-31
BUSY · 32 · MB. 1-32
IC111
IC114
SDA IN (AF) · 33 · NOT IN USED
IC112 RS-232C DRIVER
R2OUT R2IN
T2IN T2OUT
SDA IN (NEW RM) · 39 · CN-1684
SDA OUT (NEW RM) · 40 · CN-1684
IC113
SCI SW · 50 · MB. 1-50
IC117
SDA OUT (AF) · 34 · NOT IN USED
CLR · 36 · MB. 1-36
SDA IN (VTR) · 37 · CN-1294, 805-8
SDA OUT (VTR) · 38 · CN-1294, 805-7
SCLK IN (VTR) · 41 · CN-1294, 805-6
CS IN · 42 · CN-1294, 805-5
DIGI/ANA · 43 · MB. 1-43
RC P SAVE · 44 · IF. 67
1KHz · 46 · MB. 1-46
A/D IN · 48 · MB. 1-48
LSI RESET CONT OUT · 49 · VA. 80/PR. 75/IF. 2
IRIS POSITION IN · 51 · MB. 1-51
TEST MODE1 · 55
TEST MODE2 · 56

6-9

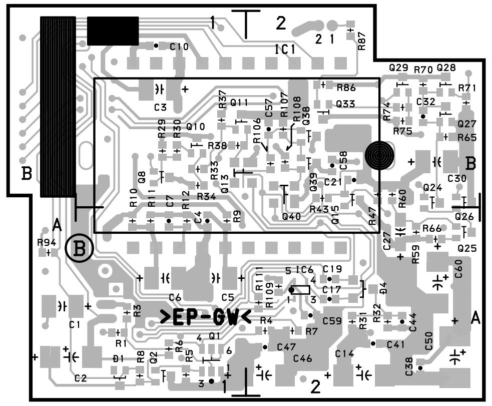
http://getMANUAL.com

SECTION 7

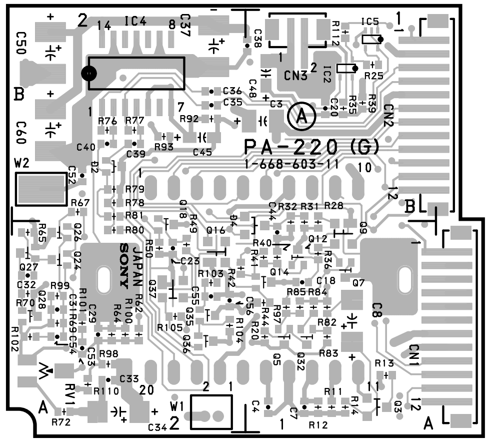
SCHEMATIC DIAGRAMS AND BOARD LAYOUTS


SONY
JAPAN
PA-219 (B)
1-668-602-11
A

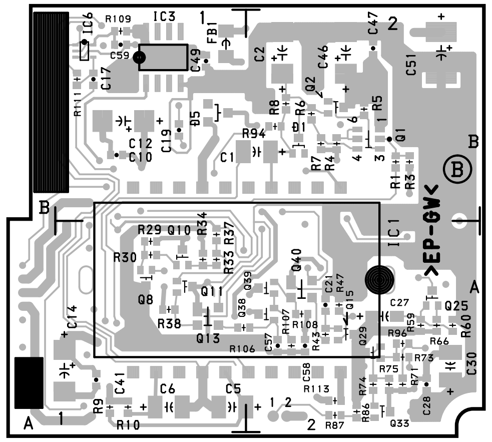
PA-219 (B) **-A SIDE-**
1-668-602-11



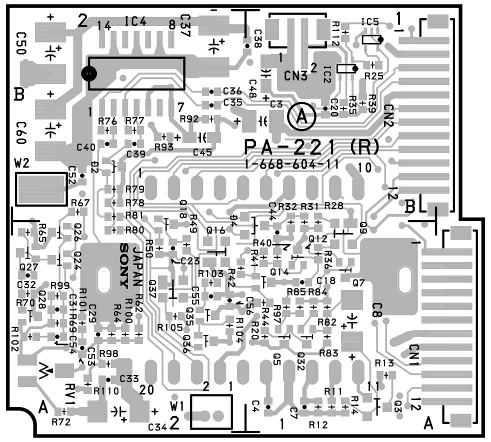
PA-219 (B) **-B SIDE-**
1-668-602-11


PA-220 (G)
1-668-603-11
SONY
JAPAN
A

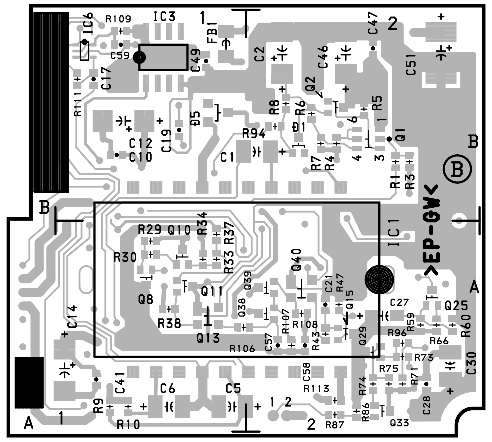
PA-220 (G) **-A SIDE-**
1-668-603-11



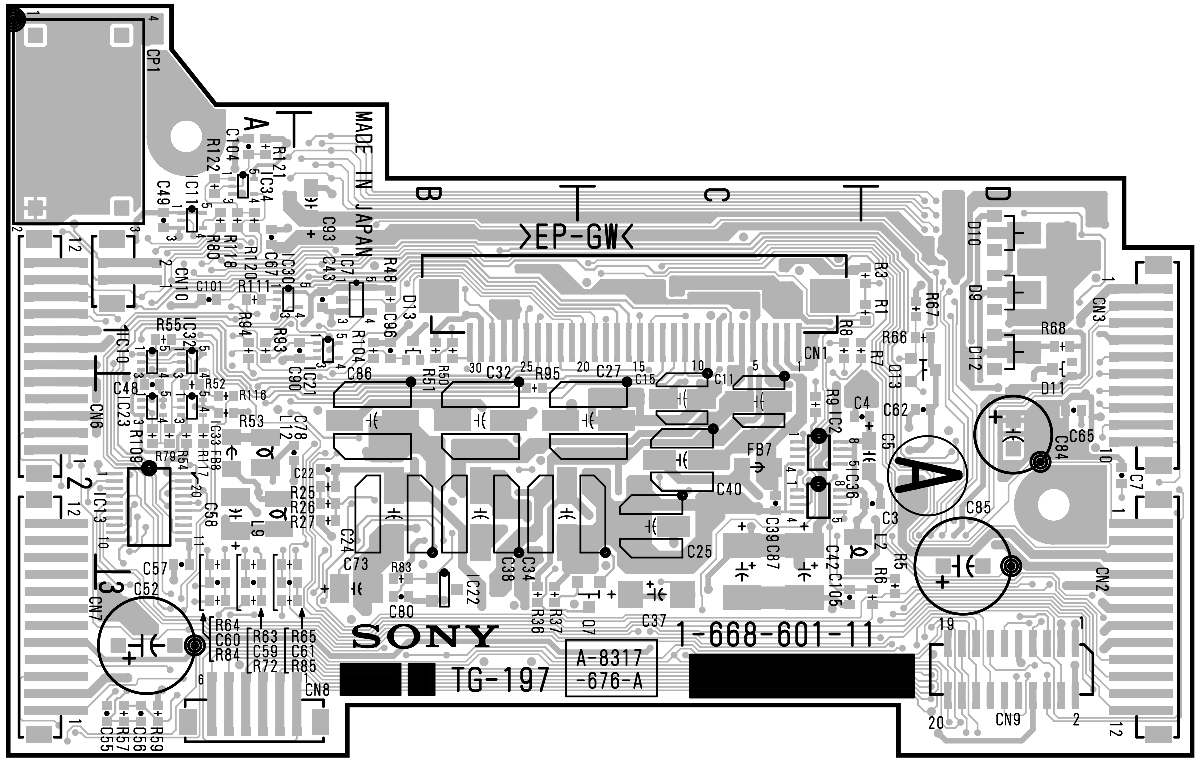
PA-220 (G) **-B SIDE-**
1-668-603-11


PA-221 (R)
1-668-604-11
SONY
JAPAN
A

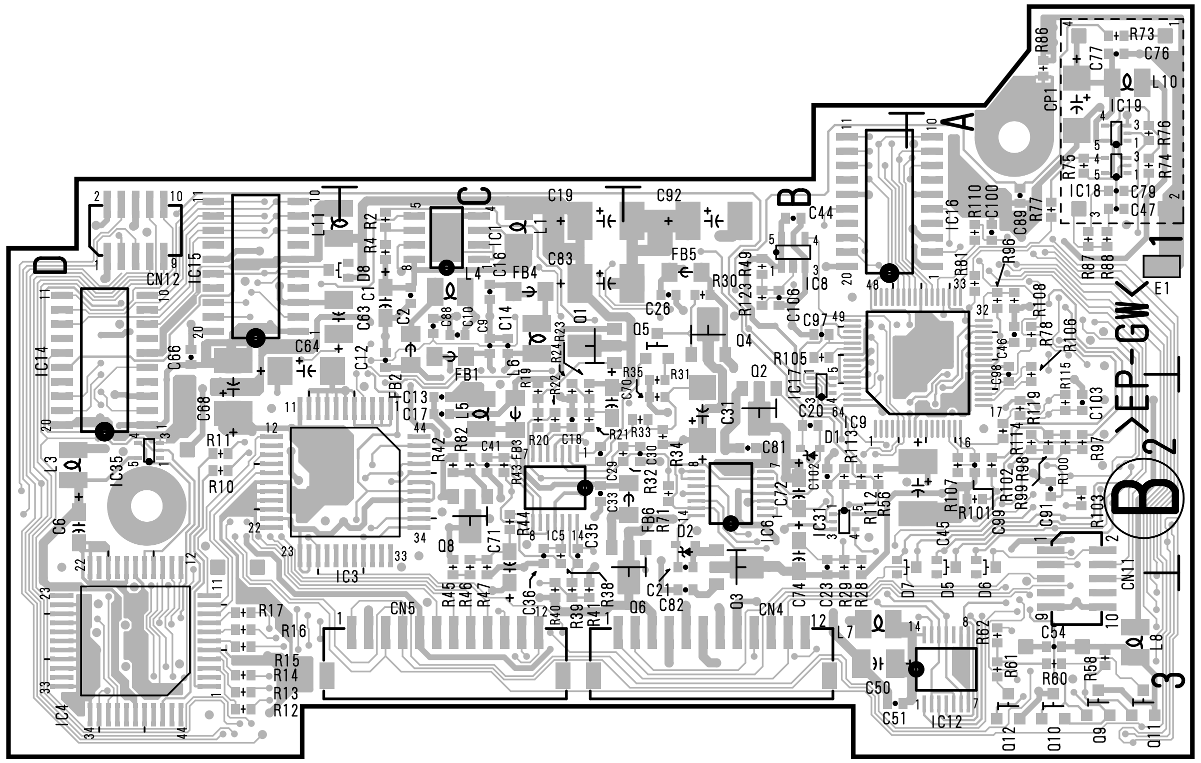
PA-221 (R) **-A SIDE-**
1-668-604-11



PA-221 (R) **-B SIDE-**
1-668-604-11


MADE IN JAPAN
>EP-GW<
SONY
TG-197
1-668-601-11
A-8317
-676-A
A
B
C
D

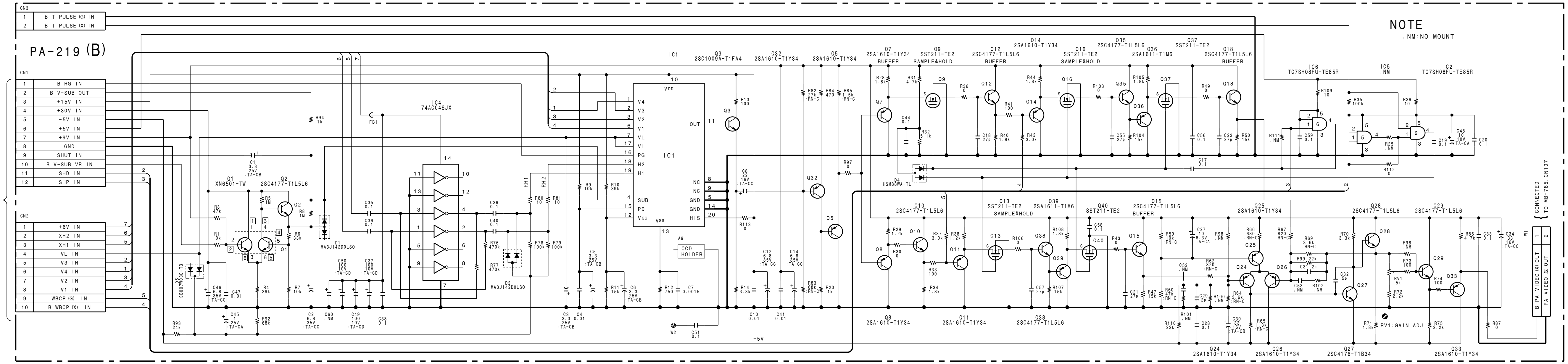
TG-197 **-A SIDE-**
1-668-601-11

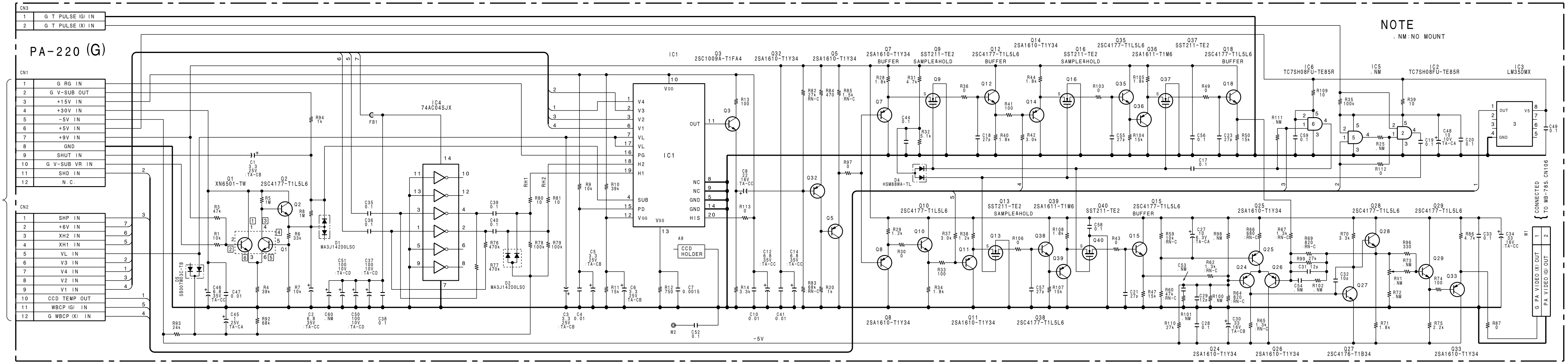


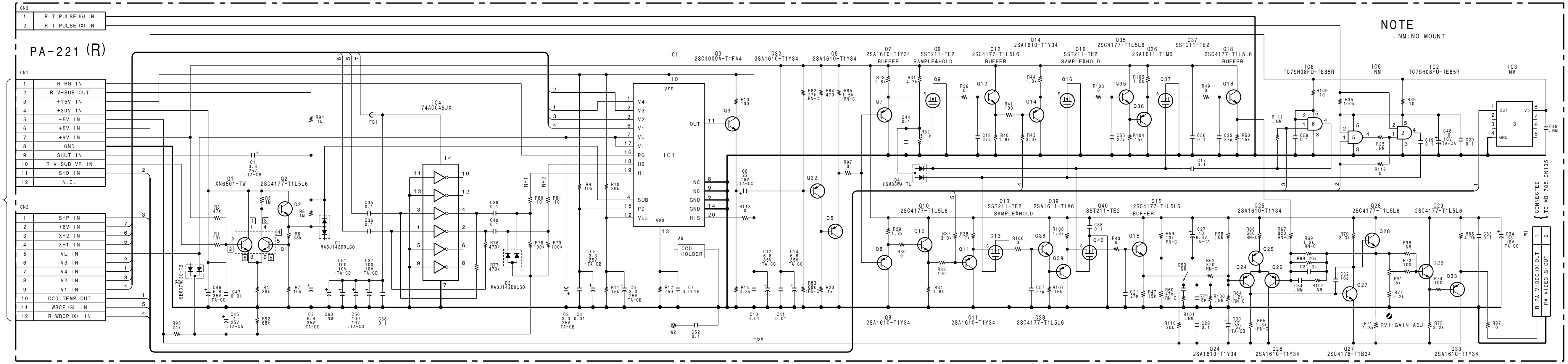
TG-197 **-B SIDE-**
1-668-601-11

*: B SIDE

CN1	C1
CN2	D3
CN3	D1
CN4	*B3
CN5	*C3
CN6	A1
CN7	A3
CN8	A3
CN9	D3
CN10	A1
CN11	*A3
CN12	*D1
CP1	A1
D1	*B2
D2	*B2
D5	*A2
D6	*A2
D7	*A2
D8	*D1
D9	D1
D10	D1
D11	D1
D12	D1
E1	*A1
FB1	*C1
FB2	*C1
FB3	*C2
FB4	*C1
FB5	*B1
FB6	*B2
FB7	C2
FB8	A2
IC1	*C1
IC2	C2
IC3	*C2
IC4	*D3
IC5	*C2
IC6	*B2
IC7	B1
IC8	*B1
IC9	*A1
IC10	A1
IC11	A1
IC12	*A3
IC13	A2
IC14	*D1
IC15	*D1
IC16	*B1
IC17	*B2
IC18	*A1
IC19	*A1
IC21	B1
IC22	B3
IC23	A2
IC30	A1
IC31	*B2
IC32	A1
IC33	A2
IC34	A1
IC35	*D2
IC36	C2
L1	*C1
L2	C2
L3	*D2
L4	*C1
L5	*C2
L6	*C1
L7	*B3
L8	*A3
L9	A2
L10	*A1
L11	*D1
L12	A2
Q1	*C1
Q2	*B2
Q3	*B2
Q4	*B1
Q5	*B1
Q6	*B2
Q7	C3
Q8	*C2
Q9	*A3
Q10	*A3
Q11	*A3
Q12	*A3
Q13	D1


PA-219 (B)
CN3
B T PULSE (G) IN
B T PULSE (X) IN
CN1
B RG IN
B V-SUB OUT
+15V IN
+30V IN
-5V IN
+5V IN
+9V IN
GND
SHUT IN
B V-SUB VR IN
SHD IN
SHP IN
CN2
+6V IN
XH2 IN
XH1 IN
VL IN
V3 IN
V4 IN
V2 IN
V1 IN
WBCP (G) IN
B WBCP (X) IN
CONNECTED TO TG-197, CN2/CN3
IC4 74AC04SJX
IC1
CCD HOLDER
IC6 TC7SH08FU-TE85R
IC5 NM
IC2 TC7SH08FU-TE85R
NOTE
. NM:NO MOUNT
BUFFER
SAMPLE&HOLD
RV1:GAIN ADJ
-5V
B PA VIDEO (X) OUT
B PA VIDEO (G) OUT
CONNECTED TO MB-785, CN107

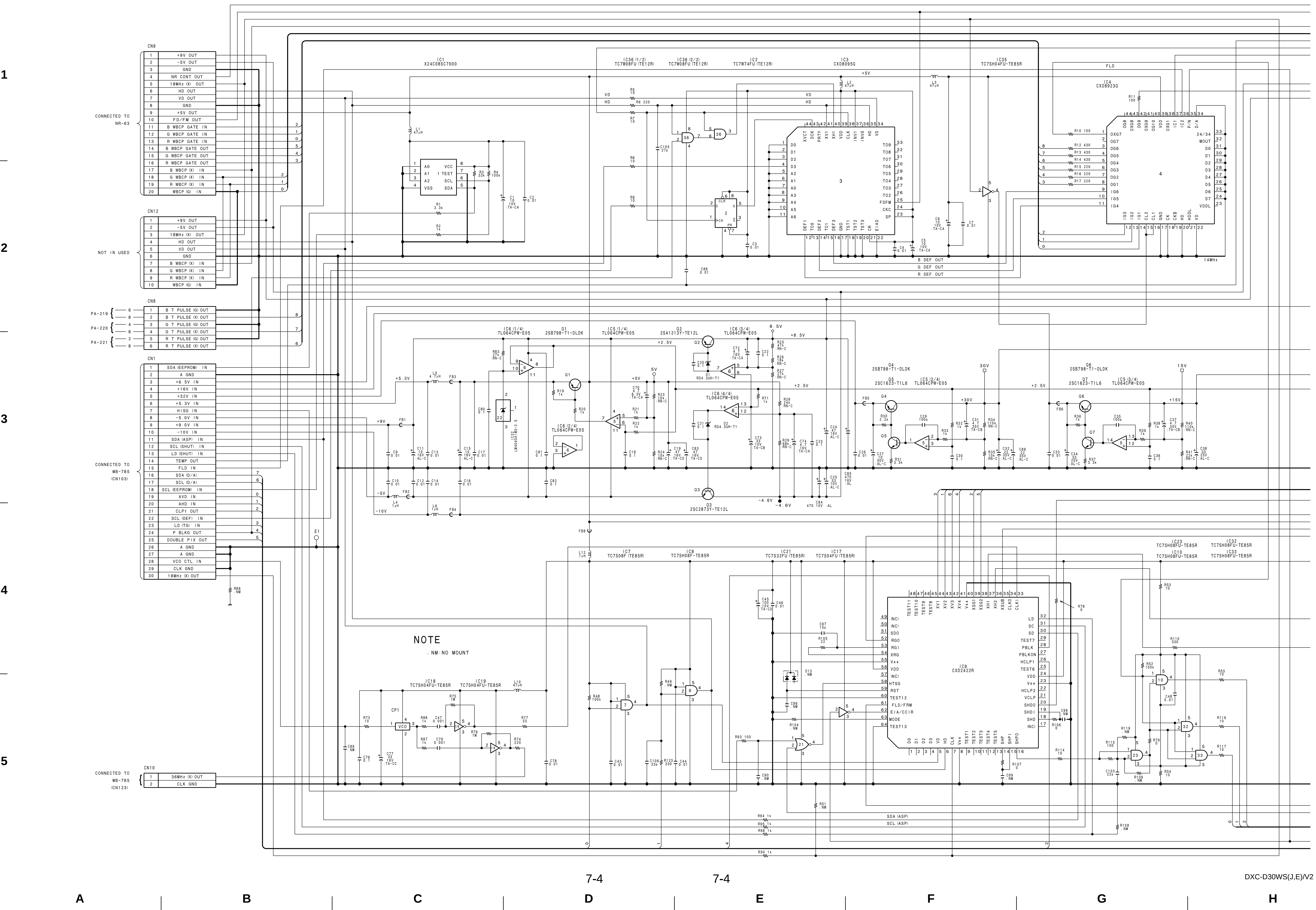

PA-220 (G)
CN3
G T PULSE (G) IN
G T PULSE (X) IN
CN1
G RG IN
G V-SUB OUT
+15V IN
+30V IN
-5V IN
+5V IN
+9V IN
GND
SHUT IN
G V-SUB VR IN
SHD IN
N.C.
CN2
SHP IN
+6V IN
XH2 IN
XH1 IN
VL IN
V3 IN
V4 IN
V2 IN
V1 IN
CCD TEMP OUT
WBCP (G) IN
G WBCP (X) IN
CONNECTED TO TG-197, CN4/CN5
IC4 74AC04SJX
IC1
CCD HOLDER
IC6 TC7SH08FU-TE85R
IC5 NM
IC2 TC7SH08FU-TE85R
IC3 LM35DMX
NOTE
. NM:NO MOUNT
BUFFER
SAMPLE&HOLD
-5V
G PA VIDEO (X) OUT
PA VIDEO (G) OUT
CONNECTED TO MB-785, CN106

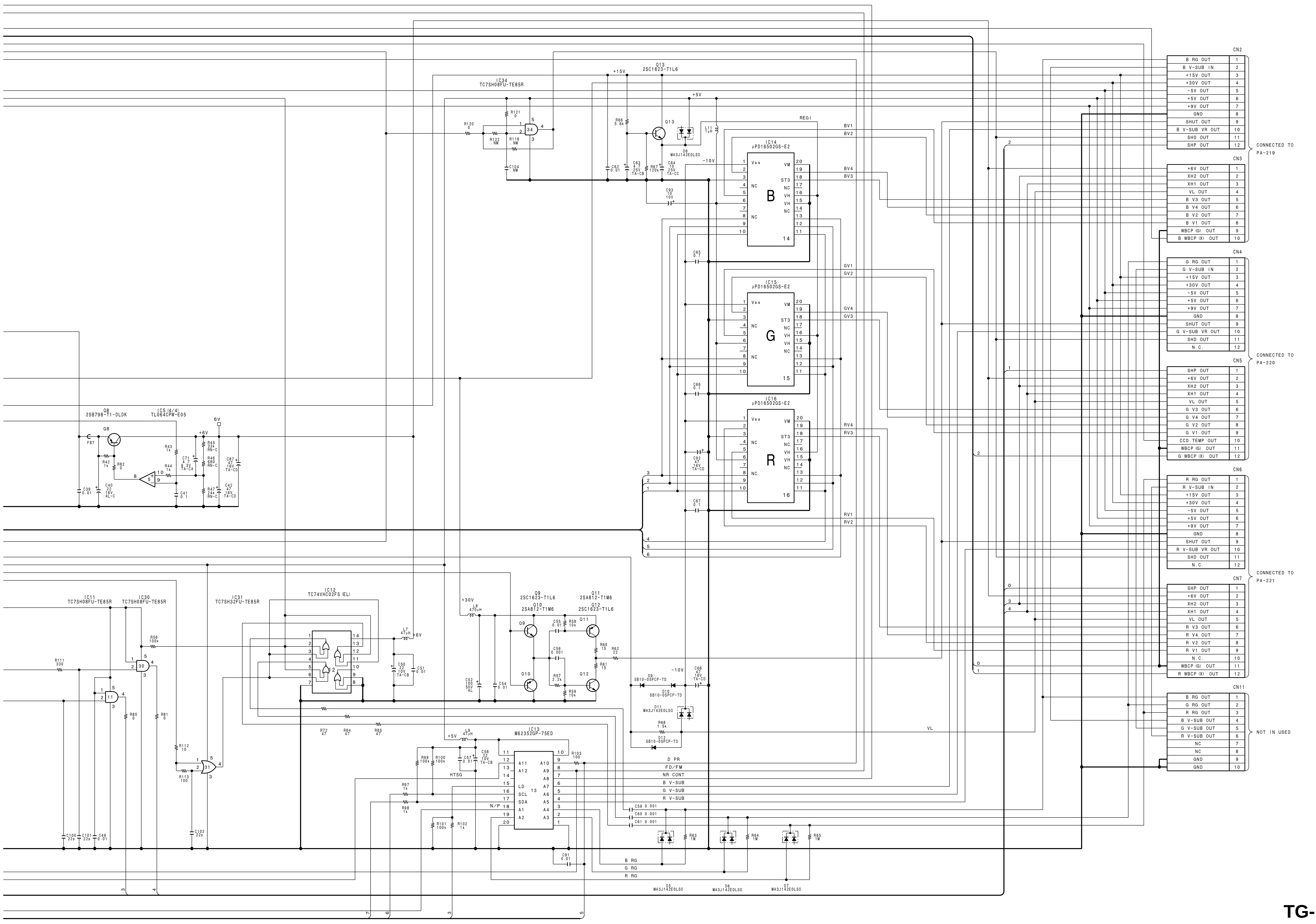

PA-221 (R)
CN3
R T PULSE (G) IN
R T PULSE (X) IN
CN1
R RG IN
R V-SUB OUT
+15V IN
+30V IN
-5V IN
+5V IN
+9V IN
GND
SHUT IN
R V-SUB VR IN
SHD IN
N.C.
CN2
SHP IN
+6V IN
XH2 IN
XH1 IN
VL IN
V3 IN
V4 IN
V2 IN
V1 IN
CCD TEMP OUT
WBCP (G) IN
R WBCP (X) IN
CONNECTED TO TG-197, CN6/CN7
IC4 74AC04SJX
IC1
CCD HOLDER
IC6 TC7SH08FU-TE85R
IC5 NM
IC2 TC7SH08FU-TE85R
IC3 NM
NOTE
. NM:NO MOUNT
BUFFER
SAMPLE&HOLD
RV1:GAIN ADJ
-5V
R PA VIDEO (X) OUT
PA VIDEO (G) OUT
CONNECTED TO MB-785, CN105

1
2
3
4
5

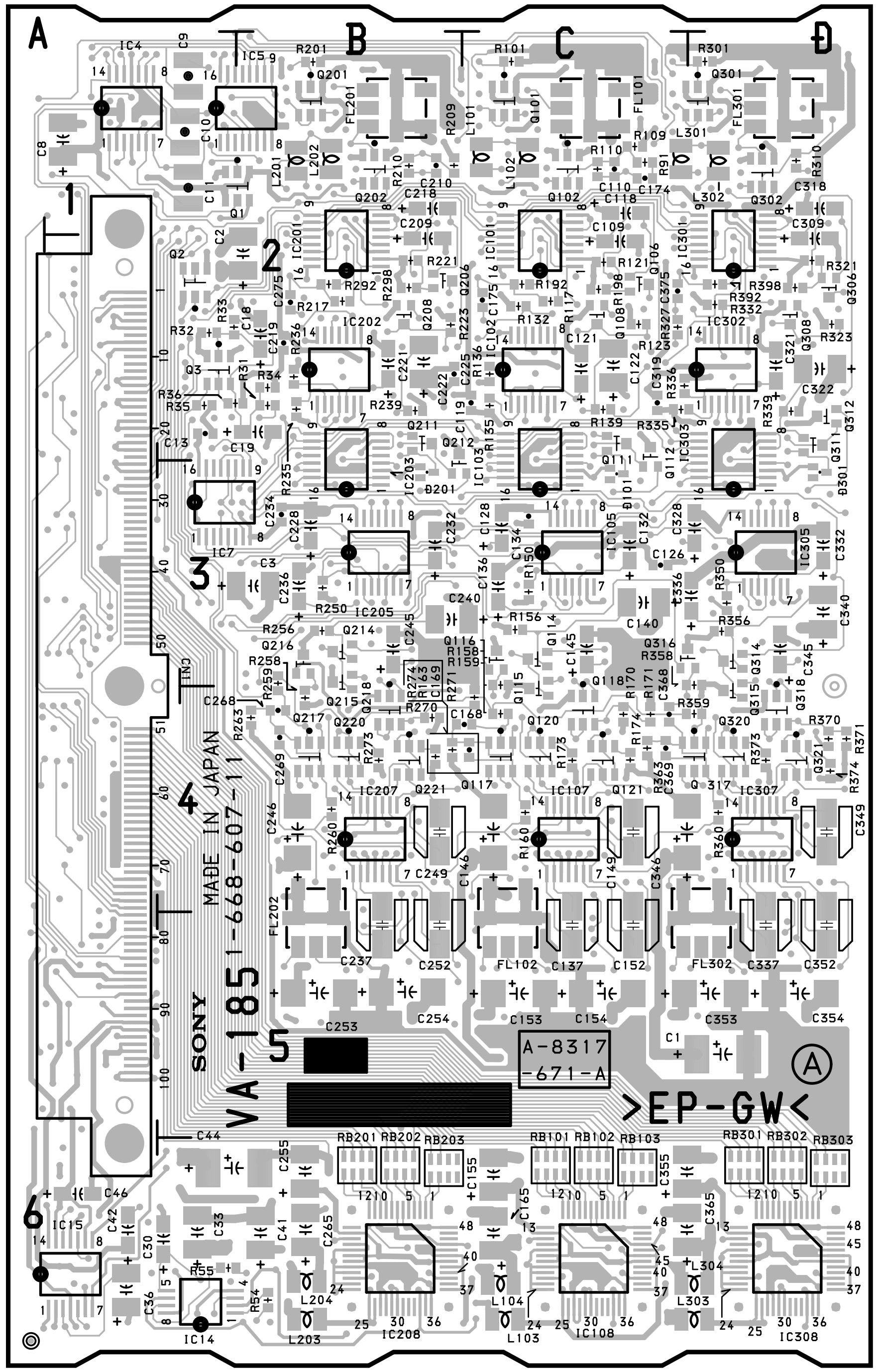
B-DXCD30WS-PA/M

A B C D E F G H


CN9
1 +9V OUT
2 -5V OUT
3 GND
4 NR CONT OUT
5 18MHz (X) OUT
6 HD OUT
7 VD OUT
8 GND
9 +5V OUT
10 FD/FM OUT
11 B WBCP GATE IN
12 G WBCP GATE IN
13 R WBCP GATE IN
14 B WBCP GATE OUT
15 G WBCP GATE OUT
16 R WBCP GATE OUT
17 B WBCP (X) IN
18 G WBCP (X) IN
19 R WBCP (X) IN
20 WBCP (G) IN
CONNECTED TO NR-63
CN12
1 +9V OUT
2 -5V OUT
3 18MHz (X) OUT
4 HD OUT
5 VD OUT
6 GND
7 B WBCP (X) IN
8 G WBCP (X) IN
9 R WBCP (X) IN
10 WBCP (G) IN
NOT IN USED
CN8
PA-219 6 8
PA-220 4 8
PA-221 2 8
1 B T PULSE (G) OUT
2 B T PULSE (X) OUT
3 G T PULSE (G) OUT
4 G T PULSE (X) OUT
5 R T PULSE (G) OUT
6 R T PULSE (X) OUT
CN1
1 SDA (EEPROM) IN
2 A GND
3 +6.5V IN
4 +16V IN
5 +32V IN
6 +5.3V IN
7 HISG IN
8 -5.0V IN
9 +9.0V IN
10 -10V IN
11 SDA (ASP) IN
12 SCL (SHUT) IN
13 LD (SHUT) IN
14 TEMP OUT
15 FLD IN
16 SDA (D/A)
17 SCL (D/A)
18 SCL (EEPROM) IN
19 AVD IN
20 AHD IN
21 CLP1 OUT
22 SCL (DEF) IN
23 LD (TG) IN
24 P BLKG OUT
25 DOUBLE PIX OUT
26 A GND
27 A GND
28 VCO CTL IN
29 CLK GND
30 18MHz (X) OUT
CONNECTED TO MB-785 (CN103)
CN10
1 36MHz (X) OUT
2 CLK GND
CONNECTED TO MB-785 (CN123)
R86 NM
E1
IC1 X24C08SC7000
IC36 (1/2) TC7W08FU (TE12R)
IC36 (2/2) TC7W08FU (TE12R)
IC2 TC7W74FU (TE12R)
IC3 CXD8095Q
IC35 TC7SH04FU-TE85R
IC4 CXD8923Q
FLD
B DEF OUT
G DEF OUT
R DEF OUT
14MHz
IC6 (1/4) TL064CPW-E05
Q1 2SB798-T1-DLDK
IC5 (1/4) TL064CPW-E05
Q2 2SA1213Y-TE12L
IC6 (3/4) TL064CPW-E05
IC6 (2/4) TL064CPW-E05
IC6 (4/4) TL064CPW-E05
IC22 LM4040AIM3-2.5
D1 RD4.3UH-T1
D2 RD4.3UH-T1
Q3 2SC2873Y-TE12L
Q4 2SB798-T1-DLDK
Q5 2SC1623-T1L6
IC5 (2/4) TL064CPW-E05
Q6 2SB798-T1-DLDK
Q7 2SC1623-T1L6
IC5 (3/4) TL064CPW-E05
+5.3V
+9V
-5V
-10V
+2.5V
8.5V
+8.5V
5V
+5V
-4.6V
30V
+30V
15V
+15V
IC7 TC7S08F (TE85R)
IC8 TC7SH08F-TE85R
IC21 TC7S32FU (TE85R)
IC17 TC7S04FU (TE85R)
IC9 CXD2422R
IC23 TC7SH08FU-TE85R
IC10 TC7SH08FU-TE85R
IC32 TC7SH08FU-TE85R
IC33 TC7SH08FU-TE85R
IC18 TC7SH04FU-TE85R
IC19 TC7SH04FU-TE85R
CP1 VCO
D13 NM
SDA (ASP)
SCL (ASP)
NOTE
,NM:NO MOUNT
1
2
3
4
5
A
B
C
D
E
F
G
H

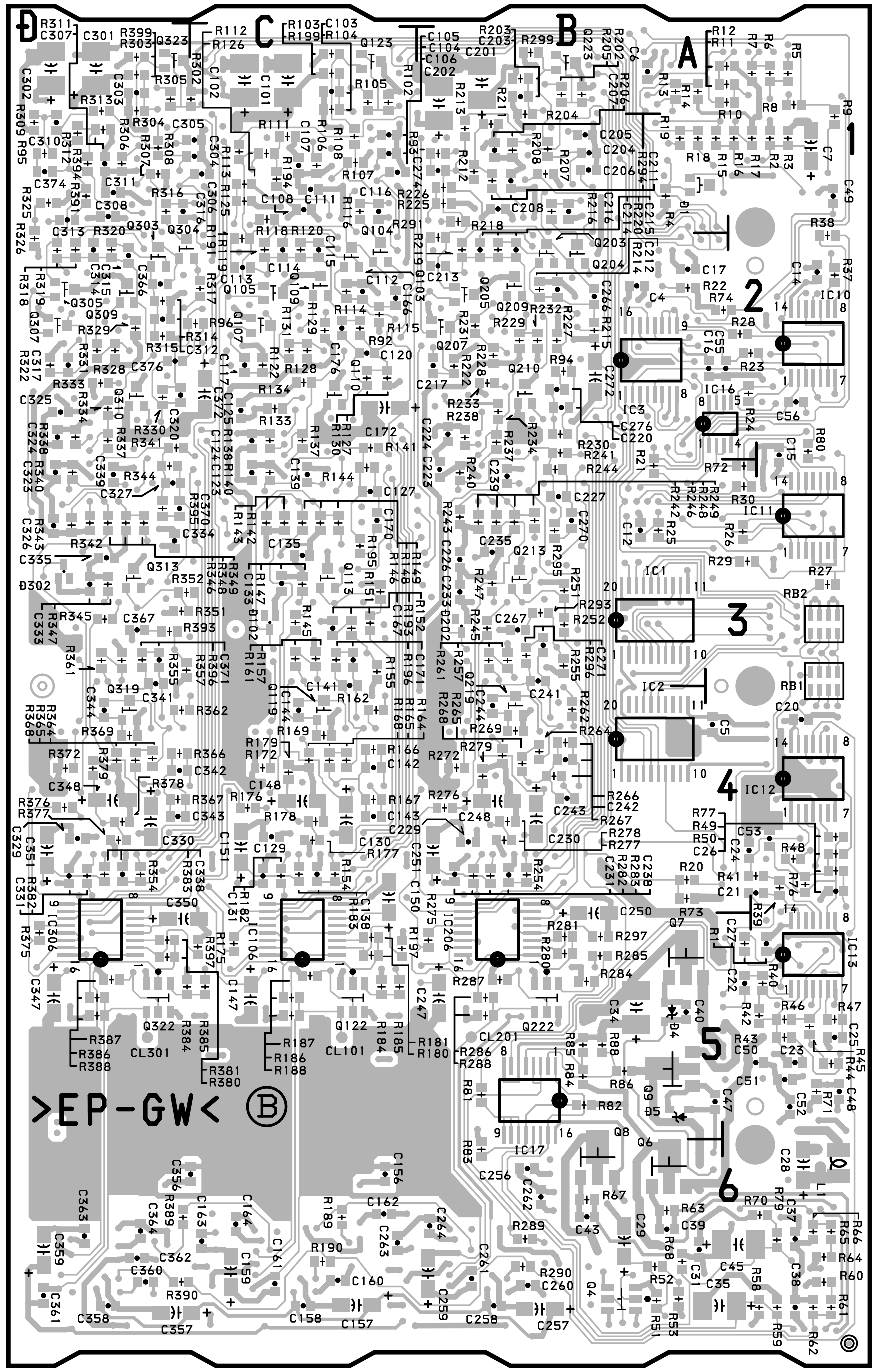

IC34 TC7SH08FU-TE85R
Q13 2SC1623-T1L6
+15V
+5V
REGI
D8 MA3J142E0LSO
IC14 μPD16502GS-E2
B
IC15 μPD16502GS-E2
G
IC16 μPD16502GS-E2
R
BV1
BV2
BV4
BV3
GV1
GV2
GV4
GV3
RV4
RV3
RV1
RV2
-10V
Q8 2SB798-T1-DLDK
IC5 (4/4) TL064CPW-E05
6V
+6V
IC11 TC7SH08FU-TE85R
IC30 TC7SH08FU-TE85R
IC31 TC7SH32FU-TE85R
IC12 TC74VHC02FS (EL)
+30V
Q9 2SC1623-T1L6
Q10 2SA812-T1M6
Q11 2SA812-T1M6
Q12 2SC1623-T1L6
D9 SB10-05PCP-TD
D10 SB10-05PCP-TD
D11 MA3J142E0LSO
D12 SB10-05PCP-TD
VL
IC13 M62352GP-75ED
HTSG
N/P
D PR
FD/FM
NR CONT
B V-SUB
G V-SUB
R V-SUB
B RG
G RG
R RG
D5 MA3J142E0LSO
D6 MA3J142E0LSO
D7 MA3J142E0LSO
CN2
B RG OUT 1
B V-SUB IN 2
+15V OUT 3
+30V OUT 4
-5V OUT 5
+5V OUT 6
+9V OUT 7
GND 8
SHUT OUT 9
B V-SUB VR OUT 10
SHD OUT 11
SHP OUT 12
CONNECTED TO PA-219
CN3
+6V OUT 1
XH2 OUT 2
XH1 OUT 3
VL OUT 4
B V3 OUT 5
B V4 OUT 6
B V2 OUT 7
B V1 OUT 8
WBCP (G) OUT 9
B WBCP (X) OUT 10
CN4
G RG OUT 1
G V-SUB IN 2
+15V OUT 3
+30V OUT 4
-5V OUT 5
+5V OUT 6
+9V OUT 7
GND 8
SHUT OUT 9
G V-SUB VR OUT 10
SHD OUT 11
N.C. 12
CONNECTED TO PA-220
CN5
SHP OUT 1
+6V OUT 2
XH2 OUT 3
XH1 OUT 4
VL OUT 5
G V3 OUT 6
G V4 OUT 7
G V2 OUT 8
G V1 OUT 9
CCD TEMP OUT 10
WBCP (G) OUT 11
G WBCP (X) OUT 12
CN6
R RG OUT 1
R V-SUB IN 2
+15V OUT 3
+30V OUT 4
-5V OUT 5
+5V OUT 6
+9V OUT 7
GND 8
SHUT OUT 9
R V-SUB VR OUT 10
SHD OUT 11
N.C. 12
CONNECTED TO PA-221
CN7
SHP OUT 1
+6V OUT 2
XH2 OUT 3
XH1 OUT 4
VL OUT 5
R V3 OUT 6
R V4 OUT 7
R V2 OUT 8
R V1 OUT 9
N.C. 10
WBCP (G) OUT 11
R WBCP (X) OUT 12
CN11
B RG OUT 1
G RG OUT 2
R RG OUT 3
B V-SUB OUT 4
G V-SUB OUT 5
R V-SUB OUT 6
NC 7
NC 8
GND 9
GND 10
NOT IN USED
1
2
3
4
5
I
J
K
L
M
N
O
P

TG-197



VA-185 -A SIDE-

1-668-607-11



VA-185 -B SIDE-

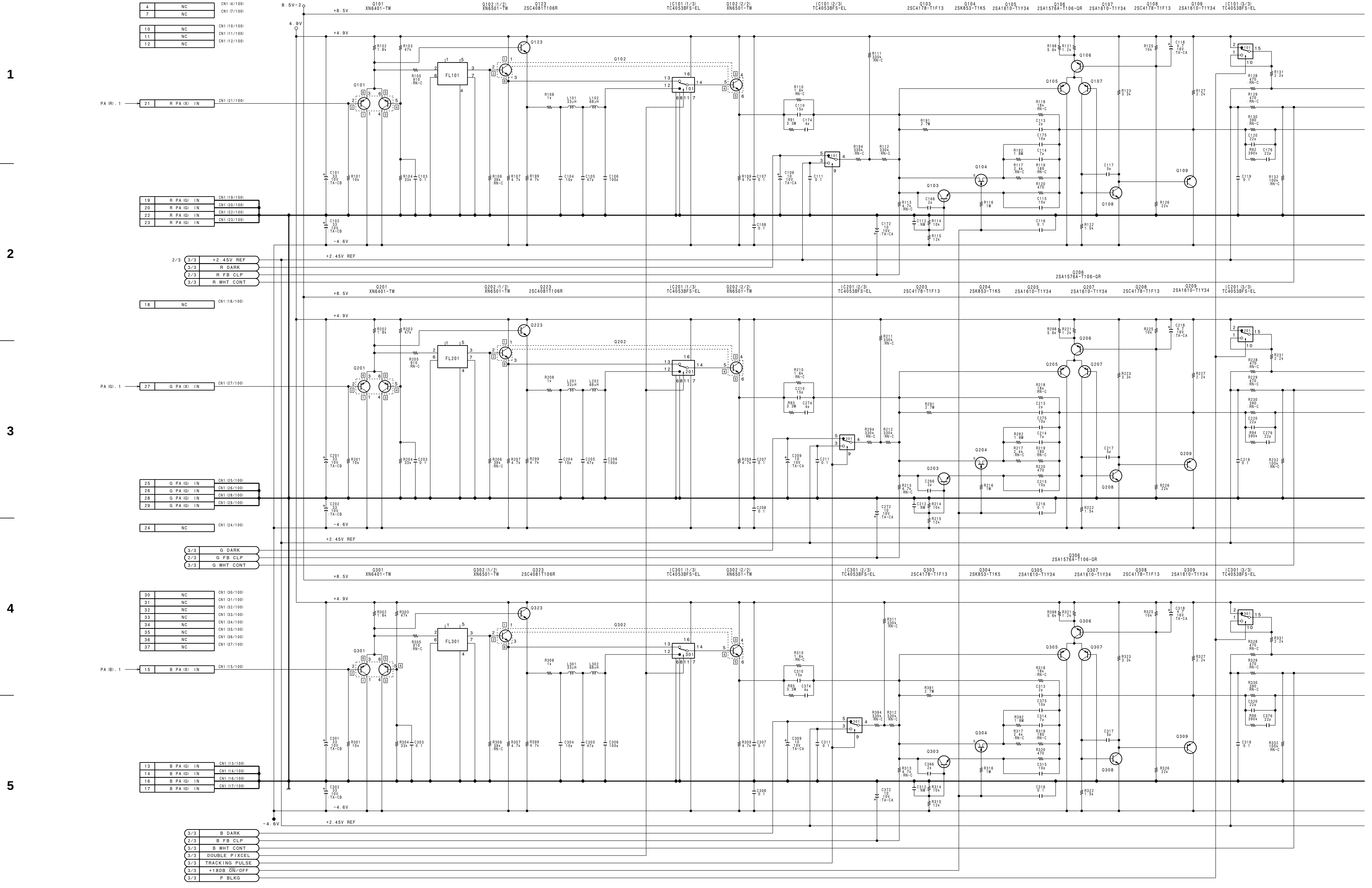
1-668-607-11

*: B SIDE

CN1	A3
D1	*A1
D4	*A5
D5	*A5
D101	C3
D102	*C3
D201	B3
D202	*B3
D301	D3
D302	*D3
FL101	C1
FL201	B1
FL301	D1
IC1	*A3
IC2	*A4
IC3	*A2
IC4	A1
IC5	B1
IC7	A3
IC10	*A2
IC11	*A3
IC12	*A4
IC13	*A5
IC14	A6
IC15	A6
IC16	*A2
IC17	*B5
IC101	C2
IC102	C2
IC103	C2
IC105	C3
IC106	*C5
IC107	C4
IC108	C6
IC201	B2
IC202	B2
IC203	B2
IC205	B3
IC206	*B5
IC207	B4
IC208	B6
IC301	D2
IC302	D2
IC303	D2
IC305	D3
IC306	*D5
IC307	D4
IC308	D6
L1	*A6
L101	C1
L102	C1
L103	C6
L104	C6
L201	B1
L202	B1
L203	B6
L204	B6
L301	C1
L302	D1
L303	D6
L304	D6
Q1	B1
Q2	A2
Q3	A2
Q4	*B6
Q6	*A6
Q7	*A5
Q8	*B6
Q9	*A5
Q101	C1
Q102	C1
Q103	*C2
Q104	*C2
Q105	*C2
Q106	C2
Q107	*C2
Q108	C2
Q109	*C2
Q110	*C2
Q111	C2
Q112	C2
Q113	*C3
Q114	C3
Q115	C4
Q116	C3
Q117	C4
Q118	C4
Q119	*C4
Q120	C4
Q121	C4
Q123	*C1
Q201	B1
Q202	B1
Q203	*B2
Q204	*B2
Q205	*B2
Q206	B2
Q207	*B2
Q208	B2
Q209	*B2
Q210	*B2
Q211	B2
Q212	B3
Q213	*B3
Q214	B3
Q215	B3
Q216	B3
Q217	B4
Q218	B4
Q219	*B4
Q220	B4
Q221	B4
Q223	*B1
Q301	D1
Q302	D1
Q303	*D2
Q304	*D2
Q305	*D2
Q306	D2
Q307	*D2
Q308	D2
Q309	*D2
Q310	*D2
Q311	D2
Q312	D2
Q313	*D3
Q314	D3
Q315	D4
Q316	C3
Q317	D4
Q318	D4
Q319	*D4
Q320	D4
Q321	D4
Q323	*D1
RB1	*A3
RB2	A3
RB101	C6
RB102	C6
RB103	C6
RB201	B6
RB202	B6
RB203	B6
RB301	D6
RB302	D6
RB303	D6

VA-185 (1/3)

VA-185 (1/3)

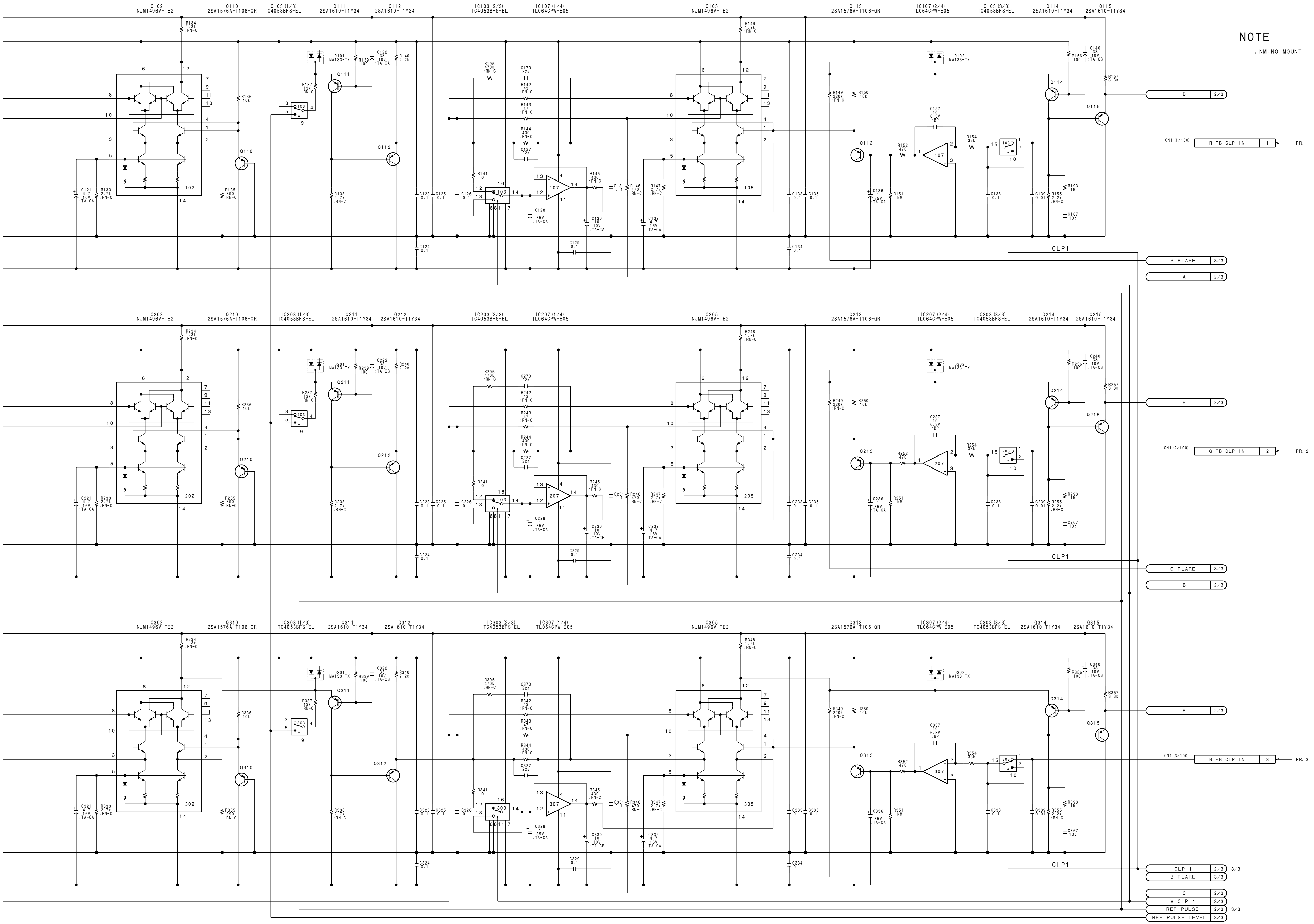


4 NC CN1 (4/100)
7 NC CN1 (7/100)
10 NC CN1 (10/100)
11 NC CN1 (11/100)
12 NC CN1 (12/100)
PA (R). 1
21 R PA (X) IN CN1 (21/100)
19 R PA (G) IN CN1 (19/100)
20 R PA (G) IN CN1 (20/100)
22 R PA (G) IN CN1 (22/100)
23 R PA (G) IN CN1 (23/100)
2/3 3/3 +2.45V REF
3/3 R DARK
2/3 R FB CLP
3/3 R WHT CONT
18 NC CN1 (18/100)
PA (G). 1
27 G PA (X) IN CN1 (27/100)
25 G PA (G) IN CN1 (25/100)
26 G PA (G) IN CN1 (26/100)
28 G PA (G) IN CN1 (28/100)
29 G PA (G) IN CN1 (29/100)
24 NC CN1 (24/100)
3/3 G DARK
2/3 G FB CLP
3/3 G WHT CONT
30 NC CN1 (30/100)
31 NC CN1 (31/100)
32 NC CN1 (32/100)
33 NC CN1 (33/100)
34 NC CN1 (34/100)
35 NC CN1 (35/100)
36 NC CN1 (36/100)
37 NC CN1 (37/100)
PA (B). 1
15 B PA (X) IN CN1 (15/100)
13 B PA (G) IN CN1 (13/100)
14 B PA (G) IN CN1 (14/100)
16 B PA (G) IN CN1 (16/100)
17 B PA (G) IN CN1 (17/100)
-4.6V
3/3 B DARK
2/3 B FB CLP
3/3 B WHT CONT
3/3 DOUBLE PIXCEL
3/3 TRACKING PULSE
3/3 +18DB ON/OFF
3/3 P BLKG
8.5V-2
4.9V
+8.5V
+4.9V
-4.6V
+2.45V REF
Q101 XN6401-TW
Q102 (1/2) XN6501-TW
Q123 2SC4081T106R
IC101 (1/3) TC4053BFS-EL
Q102 (2/2) XN6501-TW
IC101 (2/3) TC4053BFS-EL
Q103 2SC4178-T1F13
Q104 2SK853-T1K5
Q105 2SA1610-T1Y34
Q106 2SA1576A-T106-QR
Q107 2SA1610-T1Y34
Q108 2SC4178-T1F13
Q109 2SA1610-T1Y34
IC101 (3/3) TC4053BFS-EL
FL101
Q206 2SA1576A-T106-QR
Q201 XN6401-TW
Q202 (1/2) XN6501-TW
Q223 2SC4081T106R
IC201 (1/3) TC4053BFS-EL
Q202 (2/2) XN6501-TW
IC201 (2/3) TC4053BFS-EL
Q203 2SC4178-T1F13
Q204 2SK853-T1K5
Q205 2SA1610-T1Y34
Q207 2SA1610-T1Y34
Q208 2SC4178-T1F13
Q209 2SA1610-T1Y34
IC201 (3/3) TC4053BFS-EL
FL201
Q306 2SA1576A-T106-QR
Q301 XN6401-TW
Q302 (1/2) XN6501-TW
Q323 2SC4081T106R
IC301 (1/3) TC4053BFS-EL
Q302 (2/2) XN6501-TW
IC301 (2/3) TC4053BFS-EL
Q303 2SC4178-T1F13
Q304 2SK853-T1K5
Q305 2SA1610-T1Y34
Q307 2SA1610-T1Y34
Q308 2SC4178-T1F13
Q309 2SA1610-T1Y34
IC301 (3/3) TC4053BFS-EL
FL301
1
2
3
4
5

A
B
C
D
E
F
G
H

NOTE

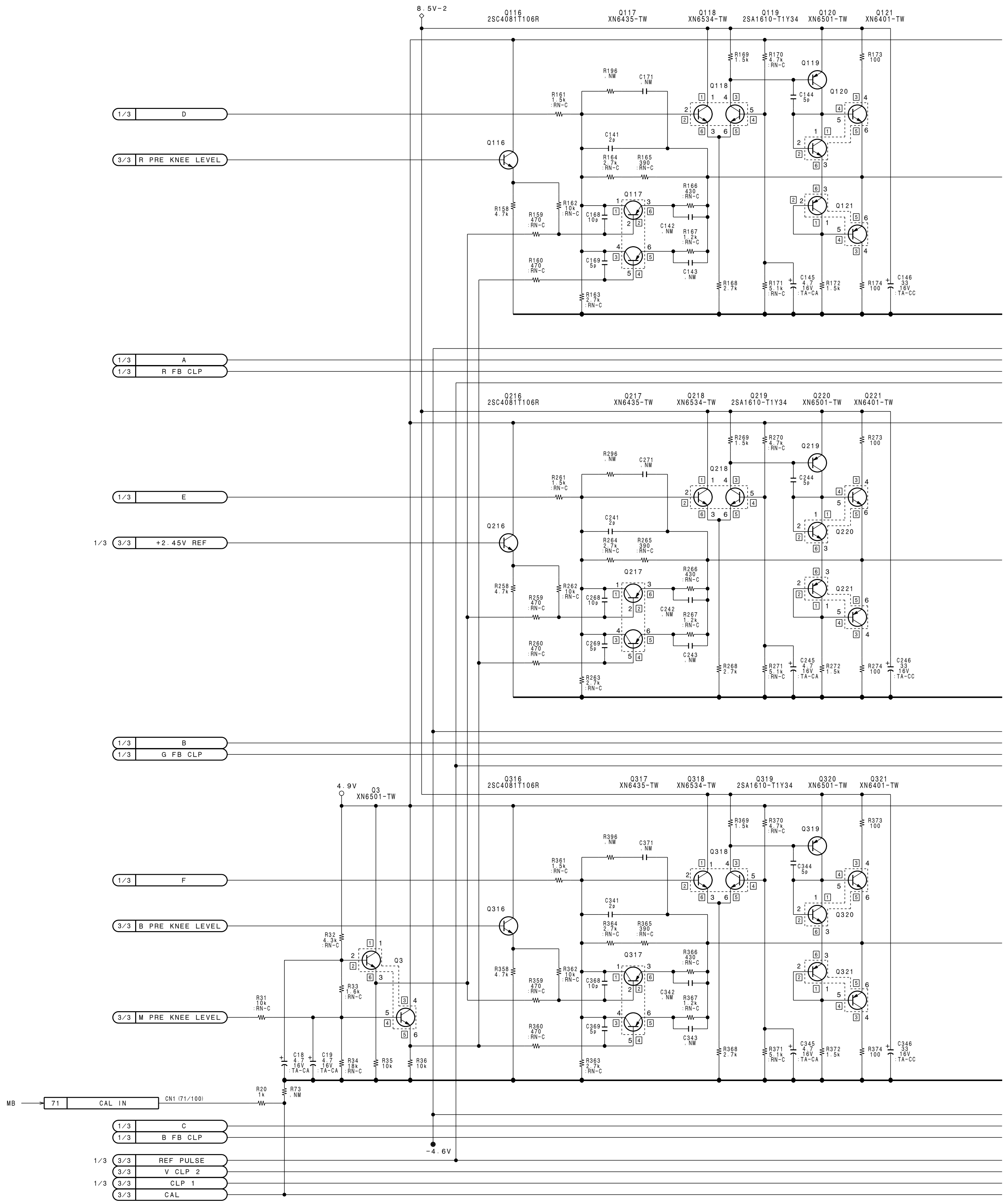
.NM: NO MOUNT


IC102 NJM1496V-TE2
Q110 2SA1576A-T106-QR
IC103 (1/3) TC4053BFS-EL
Q111 2SA1610-T1Y34
Q112 2SA1610-T1Y34
IC103 (2/3) TC4053BFS-EL
IC107 (1/4) TL064CPW-E05
IC105 NJM1496V-TE2
Q113 2SA1576A-T106-QR
IC107 (2/4) TL064CPW-E05
IC103 (3/3) TC4053BFS-EL
Q114 2SA1610-T1Y34
Q115 2SA1610-T1Y34
IC202 NJM1496V-TE2
Q210 2SA1576A-T106-QR
IC203 (1/3) TC4053BFS-EL
Q211 2SA1610-T1Y34
Q212 2SA1610-T1Y34
IC203 (2/3) TC4053BFS-EL
IC207 (1/4) TL064CPW-E05
IC205 NJM1496V-TE2
Q213 2SA1576A-T106-QR
IC207 (2/4) TL064CPW-E05
IC203 (3/3) TC4053BFS-EL
Q214 2SA1610-T1Y34
Q215 2SA1610-T1Y34
IC302 NJM1496V-TE2
Q310 2SA1576A-T106-QR
IC303 (1/3) TC4053BFS-EL
Q311 2SA1610-T1Y34
Q312 2SA1610-T1Y34
IC303 (2/3) TC4053BFS-EL
IC307 (1/4) TL064CPW-E05
IC305 NJM1496V-TE2
Q313 2SA1576A-T106-QR
IC307 (2/4) TL064CPW-E05
IC303 (3/3) TC4053BFS-EL
Q314 2SA1610-T1Y34
Q315 2SA1610-T1Y34
D101 MA133-TX
D102 MA133-TX
D201 MA133-TX
D202 MA133-TX
D301 MA133-TX
D302 MA133-TX
D 2/3
CN1 (1/100) R FB CLP IN 1
PR. 1
CLP1
R FLARE 3/3
A 2/3
E 2/3
CN1 (2/100) G FB CLP IN 2
PR. 2
G FLARE 3/3
B 2/3
F 2/3
CN1 (3/100) B FB CLP IN 3
PR. 3
CLP 1 2/3 3/3
B FLARE 3/3
C 2/3
V CLP 1 3/3
REF PULSE 2/3 3/3
REF PULSE LEVEL 3/3
1
2
3
4
5

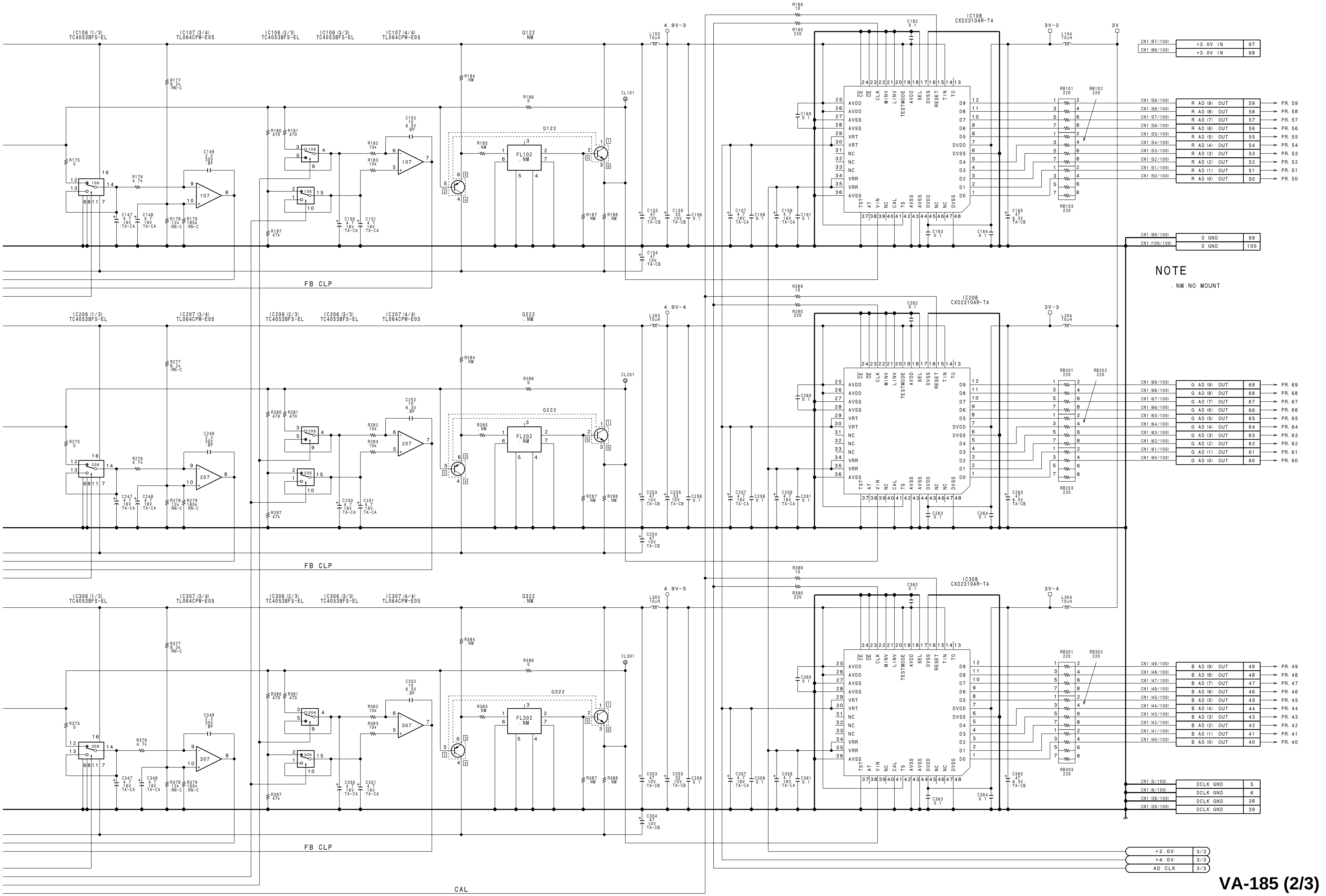
VA-185 (1/3)

B-DXCD30WS-VA185/M

VA-185 (2/3)


8.5V-2
Q116 2SC4081T106R
Q117 XN6435-TW
Q118 XN6534-TW
Q119 2SA1610-T1Y34
Q120 XN6501-TW
Q121 XN6401-TW
1/3 D
3/3 R PRE KNEE LEVEL
1/3 A
1/3 R FB CLP
Q216 2SC4081T106R
Q217 XN6435-TW
Q218 XN6534-TW
Q219 2SA1610-T1Y34
Q220 XN6501-TW
Q221 XN6401-TW
1/3 E
1/3 3/3 +2.45V REF
1/3 B
1/3 G FB CLP
4.9V
Q3 XN6501-TW
Q316 2SC4081T106R
Q317 XN6435-TW
Q318 XN6534-TW
Q319 2SA1610-T1Y34
Q320 XN6501-TW
Q321 XN6401-TW
1/3 F
3/3 B PRE KNEE LEVEL
3/3 M PRE KNEE LEVEL
MB 71 CAL IN
CN1 (71/100)
1/3 C
1/3 B FB CLP
-4.6V
1/3 3/3 REF PULSE
3/3 V CLP 2
1/3 3/3 CLP 1
3/3 CAL

http://getMANUAL.com


IC106 (1/3) TC4053BFS-EL
IC107 (3/4) TL064CPW-E05
IC106 (2/3) TC4053BFS-EL
IC106 (3/3) TC4053BFS-EL
IC107 (4/4) TL064CPW-E05
Q122 : NM
Q122
FL102 : NM
4.9V-3
L103 10μH
CL101
R189 10
R190 220
IC108 CXD2310AR-T4
3V-2
L104 10μH
3V
RB101 220
RB102 220
RB103 220
CN1 (97/100) +3.0V IN 97
CN1 (98/100) +3.0V IN 98
R AD (9) OUT 59 PR.59
R AD (8) OUT 58 PR.58
R AD (7) OUT 57 PR.57
R AD (6) OUT 56 PR.56
R AD (5) OUT 55 PR.55
R AD (4) OUT 54 PR.54
R AD (3) OUT 53 PR.53
R AD (2) OUT 52 PR.52
R AD (1) OUT 51 PR.51
R AD (0) OUT 50 PR.50
CN1 (99/100) D GND 99
CN1 (100/100) D GND 100
FB CLP
IC206 (1/3) TC4053BFS-EL
IC207 (3/4) TL064CPW-E05
IC206 (2/3) TC4053BFS-EL
IC206 (3/3) TC4053BFS-EL
IC207 (4/4) TL064CPW-E05
Q222 : NM
FL202 : NM
4.9V-4
L203 10μH
CL201
IC208 CXD2310AR-T4
3V-3
L204 10μH
RB201 220
RB202 220
RB203 220
G AD (9) OUT 69 PR.69
G AD (8) OUT 68 PR.68
G AD (7) OUT 67 PR.67
G AD (6) OUT 66 PR.66
G AD (5) OUT 65 PR.65
G AD (4) OUT 64 PR.64
G AD (3) OUT 63 PR.63
G AD (2) OUT 62 PR.62
G AD (1) OUT 61 PR.61
G AD (0) OUT 60 PR.60
FB CLP
IC306 (1/3) TC4053BFS-EL
IC307 (3/4) TL064CPW-E05
IC306 (2/3) TC4053BFS-EL
IC306 (3/3) TC4053BFS-EL
IC307 (4/4) TL064CPW-E05
Q322 : NM
FL302 : NM
4.9V-5
L303 10μH
CL301
IC308 CXD2310AR-T4
3V-4
L304 10μH
RB301 220
RB302 220
RB303 220
B AD (9) OUT 49 PR.49
B AD (8) OUT 48 PR.48
B AD (7) OUT 47 PR.47
B AD (6) OUT 46 PR.46
B AD (5) OUT 45 PR.45
B AD (4) OUT 44 PR.44
B AD (3) OUT 43 PR.43
B AD (2) OUT 42 PR.42
B AD (1) OUT 41 PR.41
B AD (0) OUT 40 PR.40
CN1 (5/100) DCLK GND 5
CN1 (6/100) DCLK GND 6
CN1 (38/100) DCLK GND 38
CN1 (39/100) DCLK GND 39
FB CLP
CAL
+2.0V 3/3
+4.0V 3/3
AD CLK 3/3
AVDD AVDD AVSS AVSS VRT VRT NC NC VRR VRR AVSS
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
CE OE CLK MINV LINV TESTMODE AVDD SEL DVSS RESET TIN TO
TST AT VIN NC CAL TS AVSS AVSS DVDD NC NC DVSS

NOTE

. NM : NO MOUNT

VA-185 (2/3)

B-DXCD30WS-VA185/M

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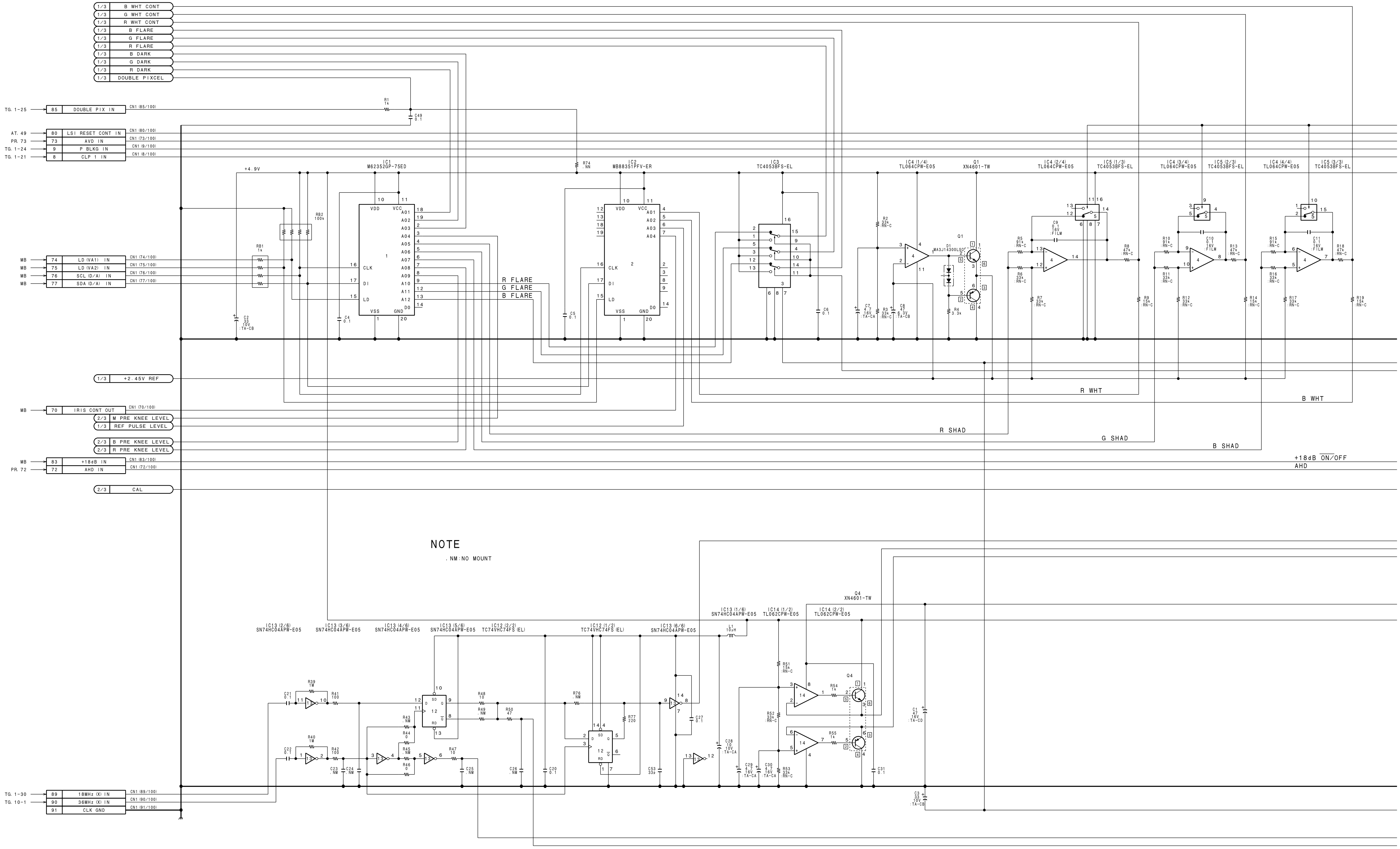
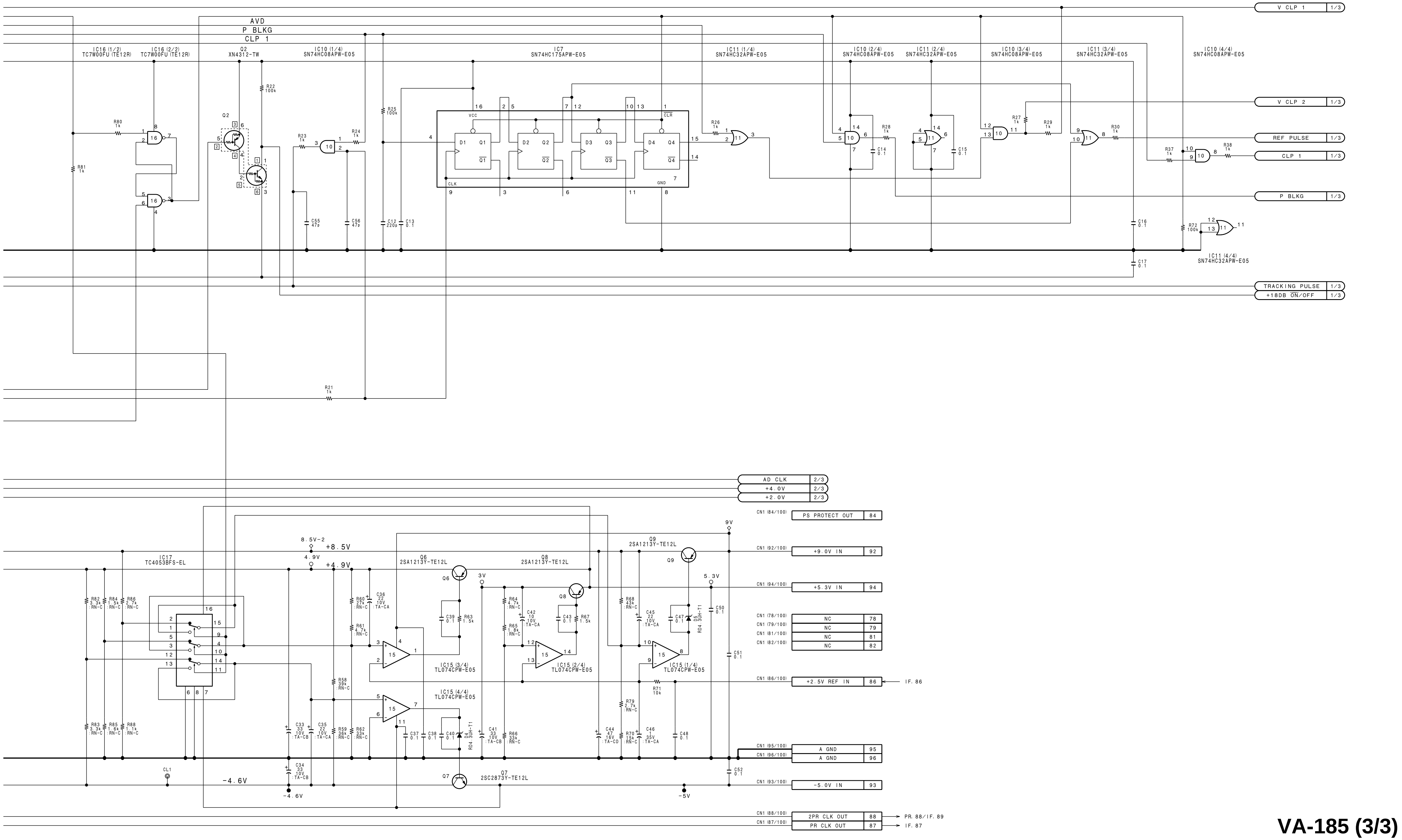
E F G H I J K L

VA-185 (3/3)

VA-185 (3/3)


1/3 B WHT CONT
1/3 G WHT CONT
1/3 R WHT CONT
1/3 B FLARE
1/3 G FLARE
1/3 R FLARE
1/3 B DARK
1/3 G DARK
1/3 R DARK
1/3 DOUBLE PIXCEL
TG. 1-25 85 DOUBLE PIX IN
AT. 49 80 LSI RESET CONT IN
PR. 73 73 AVD IN
TG. 1-24 9 P BLKG IN
TG. 1-21 8 CLP 1 IN
MB 74 LD (VA1) IN
MB 75 LD (VA2) IN
MB 76 SCL (D/A) IN
MB 77 SDA (D/A) IN
1/3 +2.45V REF
MB 70 IRIS CONT OUT
2/3 M PRE KNEE LEVEL
1/3 REF PULSE LEVEL
2/3 B PRE KNEE LEVEL
2/3 R PRE KNEE LEVEL
MB 83 +18dB IN
PR. 72 72 AHD IN
2/3 CAL
TG. 1-30 89 18MHz (X) IN
TG. 10-1 90 36MHz (X) IN
91 CLK GND
+4.9V
IC1 M62352GP-75ED
IC2 MB88351PFV-ER
IC3 TC4053BFS-EL
IC4 (1/4) TL064CPW-E05
Q1 XN4601-TW
IC4 (2/4) TL064CPW-E05
IC5 (1/3) TC4053BFS-EL
IC4 (3/4) TL064CPW-E05
IC5 (2/3) TC4053BFS-EL
IC4 (4/4) TL064CPW-E05
IC5 (3/3) TC4053BFS-EL
D1 MA3J14300LS0
R FLARE
G FLARE
B FLARE
R WHT
B WHT
R SHAD
G SHAD
B SHAD
+18dB ON/OFF
AHD
NOTE
.NM:NO MOUNT
IC13 (2/6) SN74HC04APW-E05
IC13 (3/6) SN74HC04APW-E05
IC13 (4/6) SN74HC04APW-E05
IC13 (5/6) SN74HC04APW-E05
IC12 (2/2) TC74VHC74FS (EL)
IC12 (1/2) TC74VHC74FS (EL)
IC13 (6/6) SN74HC04APW-E05
IC13 (1/6) SN74HC04APW-E05
IC14 (1/2) TL062CPW-E05
IC14 (2/2) TL062CPW-E05
Q4 XN4601-TW
L1 10µH
1
2
3
4
5
A
B
C
D
E
F
G
H


AVD
P BLKG
CLP 1
IC16 (1/2) TC7W00FU (TE12R)
IC16 (2/2) TC7W00FU (TE12R)
Q2 XN4312-TW
IC10 (1/4) SN74HC08APW-E05
IC7 SN74HC175APW-E05
IC11 (1/4) SN74HC32APW-E05
IC10 (2/4) SN74HC08APW-E05
IC11 (2/4) SN74HC32APW-E05
IC10 (3/4) SN74HC08APW-E05
IC11 (3/4) SN74HC32APW-E05
IC10 (4/4) SN74HC08APW-E05
IC11 (4/4) SN74HC32APW-E05
V CLP 1 1/3
V CLP 2 1/3
REF PULSE 1/3
CLP 1 1/3
P BLKG 1/3
TRACKING PULSE 1/3
+18DB ON/OFF 1/3
R80 1k
R81 1k
R22 100k
R23 1k
R24 1k
R25 100k
R26 1k
R28 1k
R27 1k
R29 1k
R30 1k
R37 1k
R38 1k
R72 100k
R21 1k
C55 47p
C56 47p
C12 220p
C13 0.1
C14 0.1
C15 0.1
C16 0.1
C17 0.1
VCC CLR CLK GND
D1 Q1 D2 Q2 D3 Q3 D4 Q4
AD CLK 2/3
+4.0V 2/3
+2.0V 2/3
IC17 TC4053BFS-EL
8.5V-2 +8.5V
4.9V +4.9V
Q6 2SA1213Y-TE12L
Q8 2SA1213Y-TE12L
Q9 2SA1213Y-TE12L
Q7 2SC2873Y-TE12L
3V
9V
5.3V
IC15 (3/4) TL074CPW-E05
IC15 (4/4) TL074CPW-E05
IC15 (2/4) TL074CPW-E05
IC15 (1/4) TL074CPW-E05
R82 3.3k RN-C
R84 1.5k RN-C
R86 2.7k RN-C
R83 3.3k RN-C
R85 1.6k RN-C
R88 1.1k RN-C
R60 27k RN-C
R61 4.7k RN-C
R58 39k RN-C
R59 36k RN-C
R62 33k RN-C
R63 1.5k
R64 4.7k RN-C
R65 1.8k RN-C
R66 33k RN-C
R67 1.5k
R68 43k RN-C
R69 10k
R70 10k RN-C
R71 10k
R79 2.7k RN-C
C33 33 10V TA-CB
C34 33 10V TA-CB
C35 22 10V TA-CA
C36 22 10V TA-CA
C37 0.1
C38 0.1
C39 0.1
C40 0.1
C41 33 10V TA-CB
C42 10 10V TA-CA
C43 0.1
C44 47 16V TA-CD
C45 22 10V TA-CA
C46 22 35V TA-CA
C47 0.1
C48 0.1
C50 0.1
C51 0.1
C52 0.1
D4 RD4.3UM-T1
D5 RD4.3UM-T1
CL1
-4.6V
-5V
CN1 (84/100) PS PROTECT OUT 84
CN1 (92/100) +9.0V IN 92
CN1 (94/100) +5.3V IN 94
CN1 (78/100) NC 78
CN1 (79/100) NC 79
CN1 (81/100) NC 81
CN1 (82/100) NC 82
CN1 (86/100) +2.5V REF IN 86 IF. 86
CN1 (95/100) A GND 95
CN1 (96/100) A GND 96
CN1 (93/100) -5.0V IN 93
CN1 (88/100) 2PR CLK OUT 88 PR. 88/IF. 89
CN1 (87/100) PR CLK OUT 87 IF. 87
1
2
3
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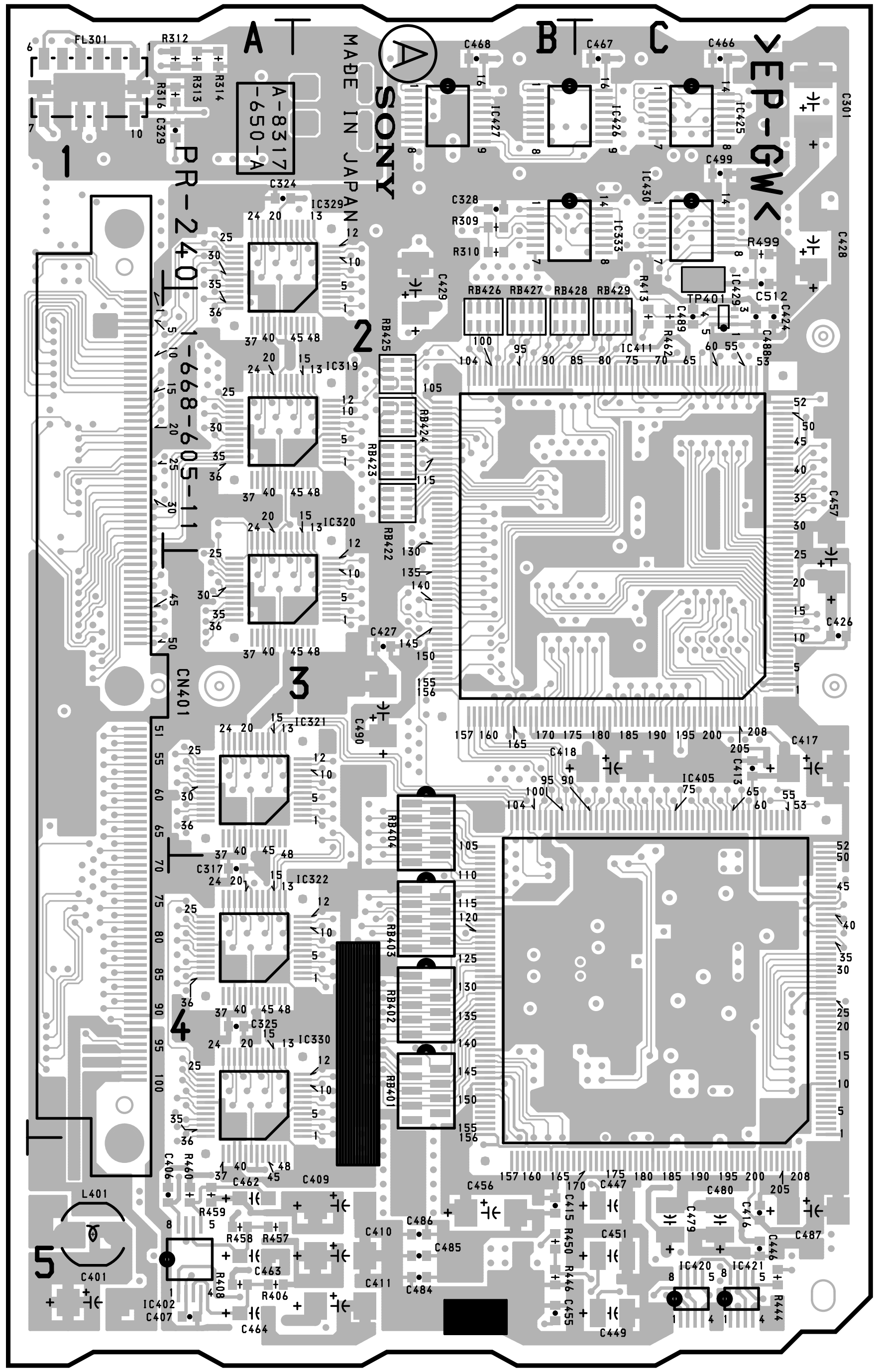
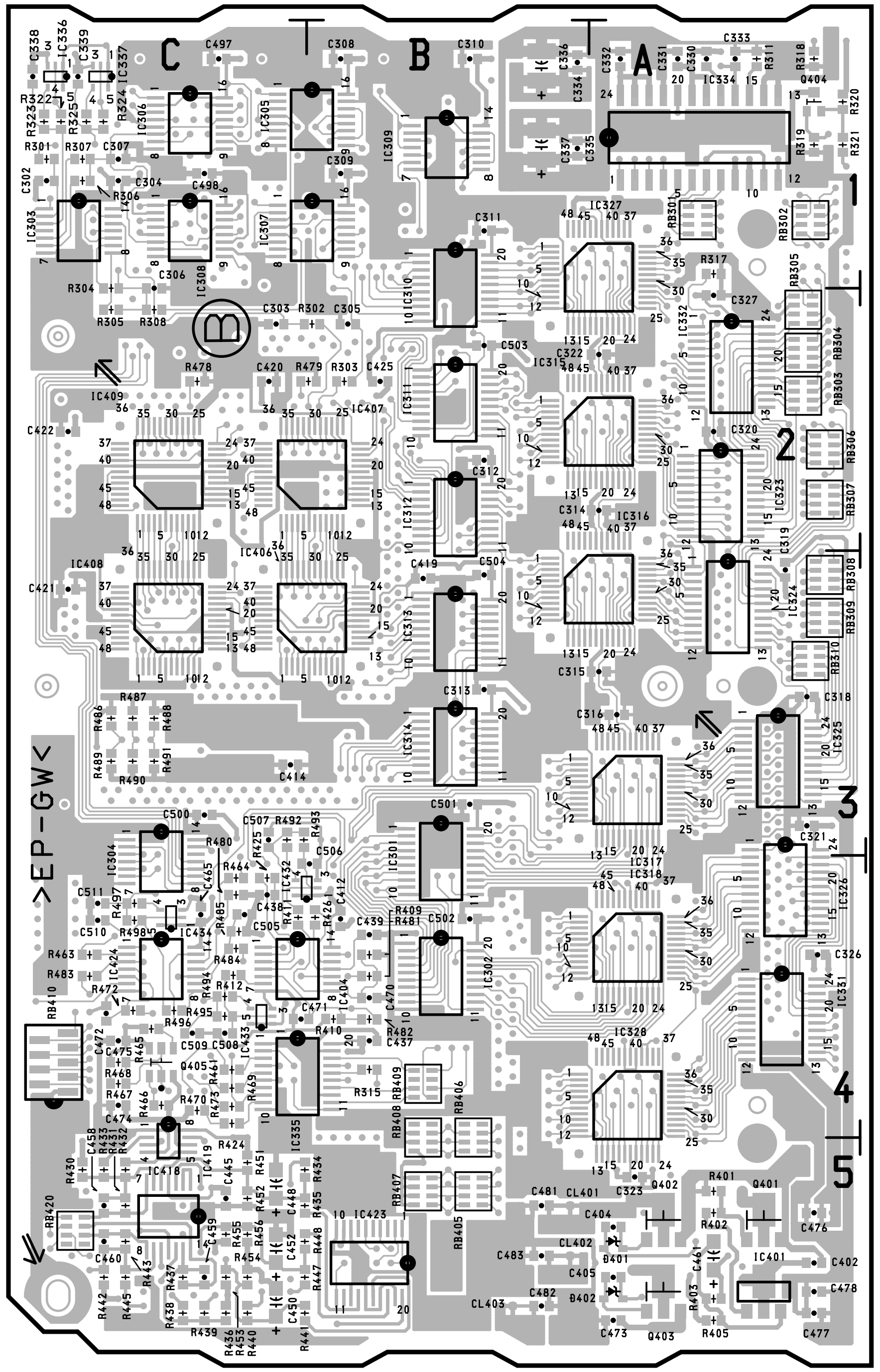
5
I
J
K
L
M
N
O
P

VA-185 (3/3)

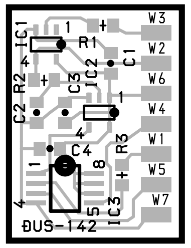
B-DXCD30WS-VA185/M


A
B
C
1
2
3
4
5
SONY
MADE IN JAPAN
PR-240
1-668-605-11
A-8317-650-A
>EP-GW<
CN401
L401
FL301
TP401

PR-240 **-A SIDE-**
1-668-605-11


A
B
C
1
2
3
4
5
>EP-GW<

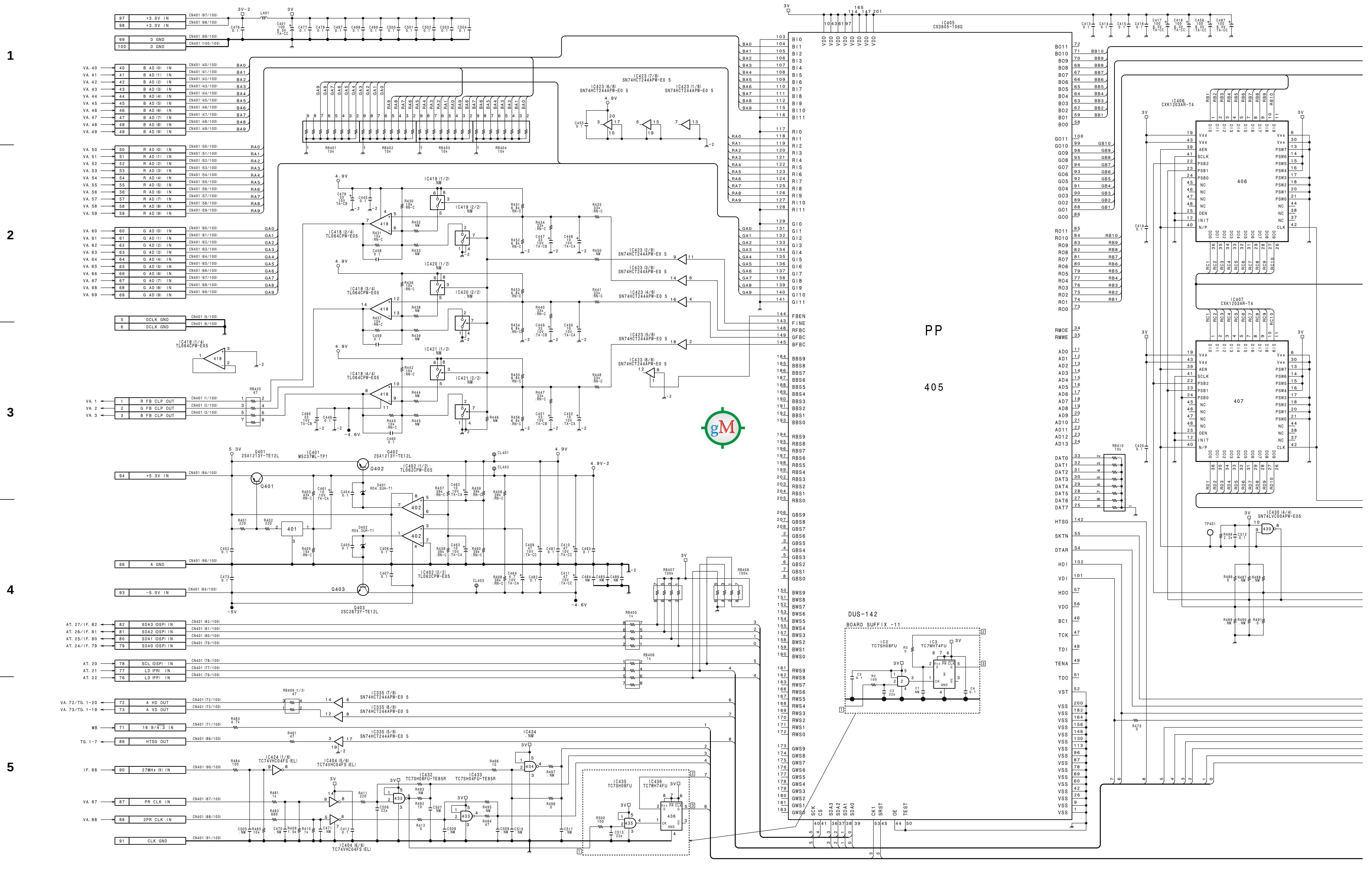
PR-240 **-B SIDE-**
1-668-605-11

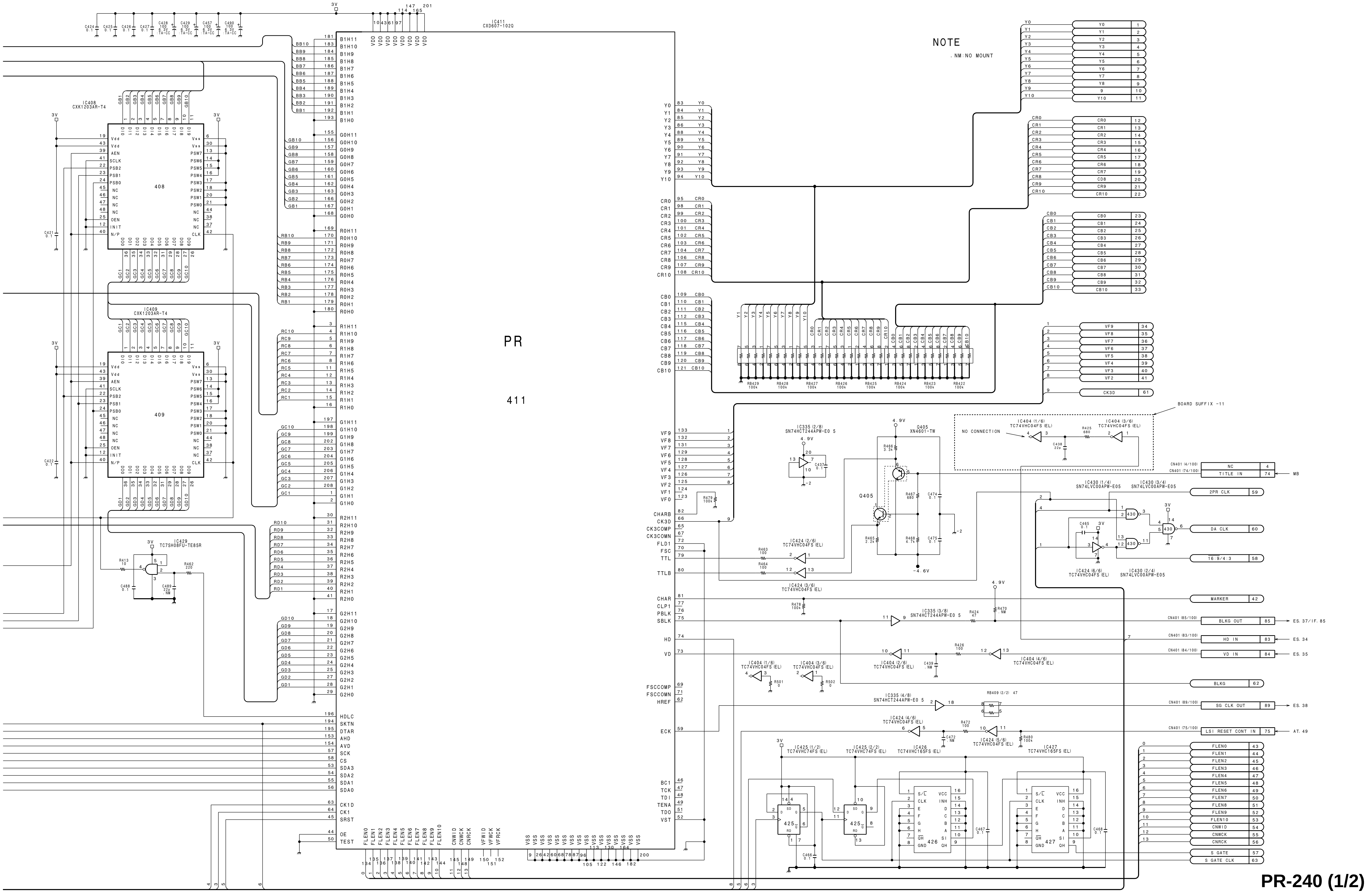

DUS-142
IC1
IC2
IC3
R1
R2
R3
C1
C2
C3
C4
W1
W2
W3
W4
W5
W6
W7

DUS-142

*: B SIDE

CN401	A3
D401	*A5
D402	*A5
FL301	A1
IC301	*B4
IC302	*B4
IC303	*C1
IC304	*C4
IC305	*B1
IC306	*C1
IC307	*B1
IC308	*C1
IC309	*B1
IC310	*B1
IC311	*B2
IC312	*B2
IC313	*B3
IC314	*B3
IC315	*A2
IC316	*A3
IC317	*A3
IC318	*A4
IC319	A2
IC320	A3
IC321	A3
IC322	A4
IC323	*A2
IC324	*A3
IC325	*A3
IC326	*A4
IC327	*A1
IC328	*A4
IC329	A1
IC330	A4
IC331	*A4
IC332	*A2
IC333	B1
IC334	*A1
IC335	*C4
IC337	*C1
IC401	*A5
IC402	A5
IC404	*C4
IC405	C4
IC406	*B3
IC407	*B2
IC408	*C3
IC409	*C2
IC411	C2
IC418	*C5
IC423	*B5
IC424	*C4
IC425	C1
IC426	B1
IC427	B1
IC429	C2
IC430	C1
IC432	*B4
IC433	*C4
L401	A5
Q401	*A5
Q402	*A5
Q403	*A5
Q404	*A1
Q405	*C4
RB301	*A1
RB302	*A1
RB303	*A2
RB304	*A2
RB305	*A2
RB306	*A2
RB307	*A2
RB308	*A3
RB309	*A3
RB310	*A3
RB401	B4
RB402	B4
RB403	B4
RB404	B3
RB405	*B5
RB406	*B4
RB407	*B5
RB408	*B4
RB409	*B4
RB410	*C4
RB420	*C5
RB422	B2
RB423	B2
RB424	B2
RB425	B2
RB426	B2
RB427	B2
RB428	B2
RB429	C2
TP401	C1


1
2
3
4
5
+3.0V IN
D GND
B AD (0) IN
R AD (0) IN
G AD (0) IN
DCLK GND
R FB CLP OUT
G FB CLP OUT
B FB CLP OUT
+5.3V IN
A GND
-5.0V IN
SDA3 (DSP) IN
SDA2 (DSP) IN
SDA1 (DSP) IN
SDA0 (DSP) IN
SCL (DSP) IN
LD (PR) IN
LD (PP) IN
A HD OUT
A VD OUT
16:9/4:3 IN
HTSG OUT
27MHz (X) IN
PR CLK IN
2PR CLK IN
CLK GND
IC405 CXD605-106Q
PP
405
IC406 CXK1203AR-T4
406
IC407 CXK1203AR-T4
407
IC423 SN74HCT244APW-E0 5
IC418 TL064CPW-E05
IC419
IC420
IC421
Q401 2SA1213Y-TE12L
Q402 2SA1213Y-TE12L
Q403 2SC2873Y-TE12L
IC401 M5237ML-TP1
IC402 TL062CPW-E05
IC335 SN74HCT244APW-E0 5
IC424 TC74VHC04FS (EL)
IC404 TC74VHC04FS (EL)
IC432 TC7SH08FU-TE85R
IC433 TC7SH04FU-TE85R
IC434
IC435 TC7SH08FU
IC436 TC7WH74FU
IC430 SN74LVC00APW-E05
DUS-142
BOARD SUFFIX -11
IC2 TC7SH08FU
IC3 TC7WH74FU
A
B
C
D
E
F
G
H

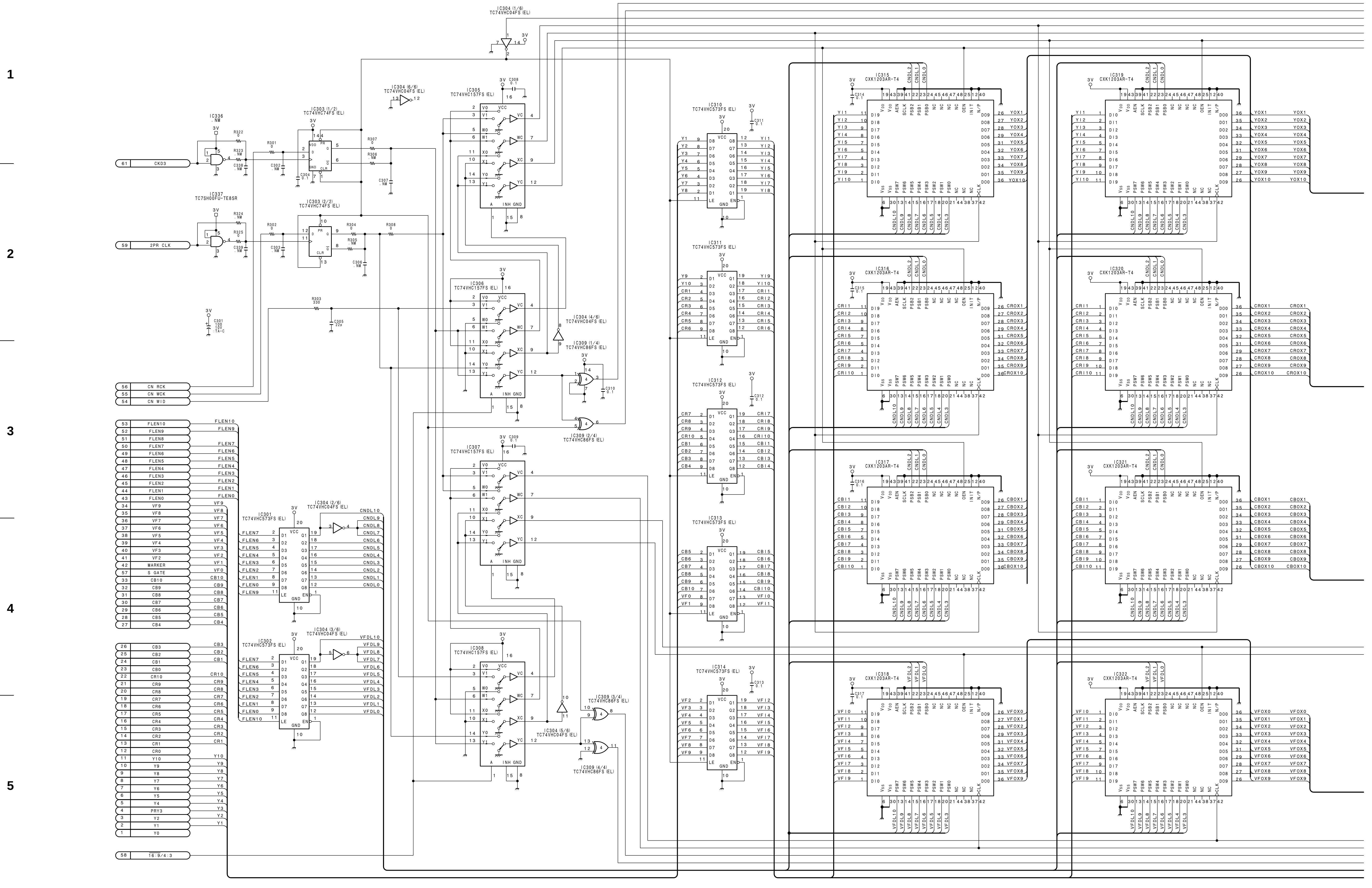


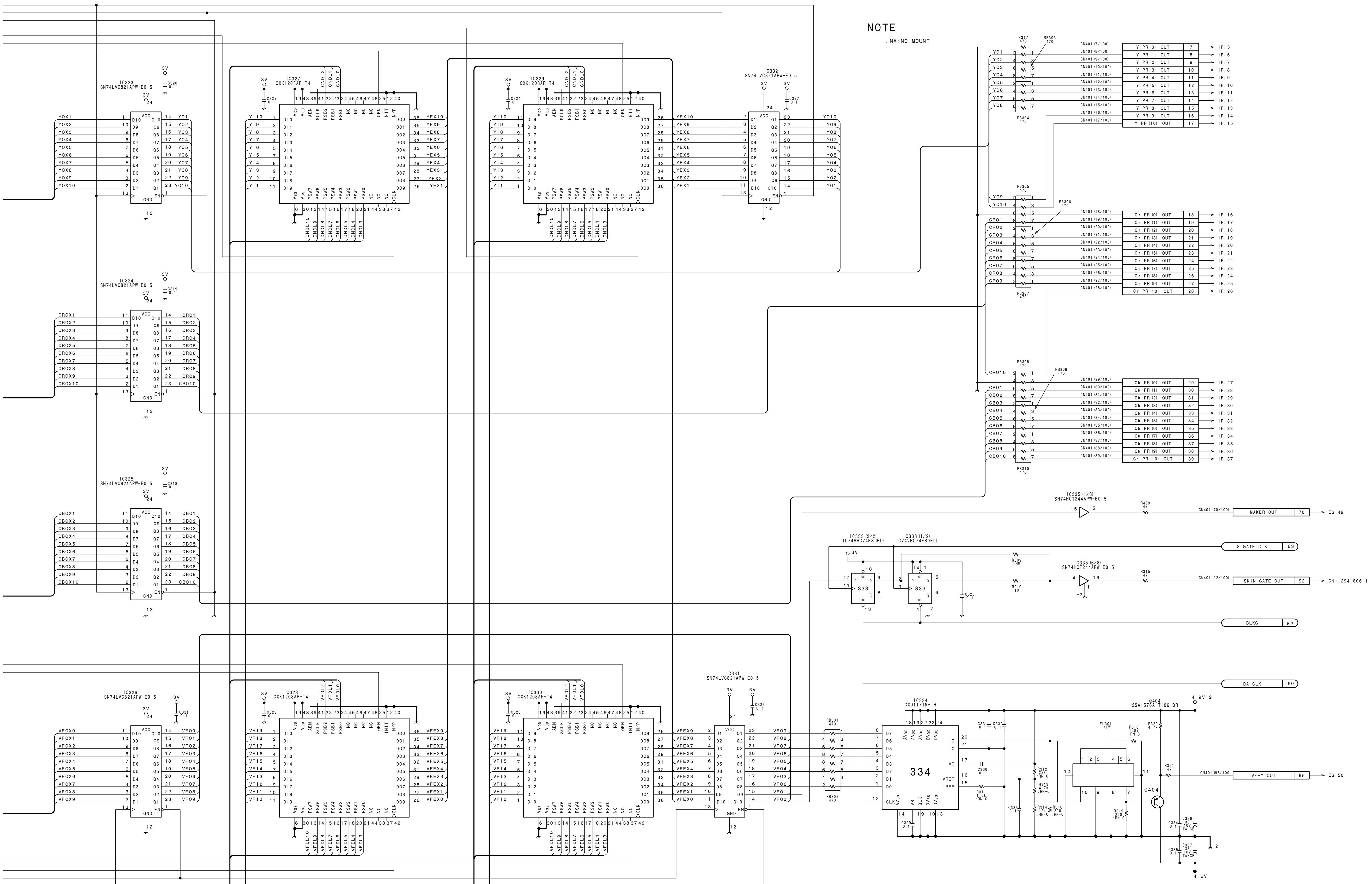
NOTE
. NM : NO MOUNT
IC411
CXD607-102Q
PR
411
IC408
CXK1203AR-T4
408
IC409
CXK1203AR-T4
409
IC429
TC7SH08FU-TE85R
IC335 (2/8)
SN74HCT244APW-E0 5
Q405
XN4601-TW
BOARD SUFFIX -11
NO CONNECTION
IC404 (1/6)
TC74VHC04FS (EL)
IC404 (3/6)
TC74VHC04FS (EL)
IC430 (1/4)
SN74LVC00APW-E05
IC430 (3/4)
SN74LVC00APW-E05
IC424 (6/6)
TC74VHC04FS (EL)
IC430 (2/4)
SN74LVC00APW-E05
IC424 (2/6)
TC74VHC04FS (EL)
IC424 (3/6)
TC74VHC04FS (EL)
IC335 (3/8)
SN74HCT244APW-E0 5
IC404 (2/6)
TC74VHC04FS (EL)
IC404 (4/6)
TC74VHC04FS (EL)
IC335 (4/8)
SN74HCT244APW-E0 5
IC424 (4/6)
TC74VHC04FS (EL)
IC424 (5/6)
TC74VHC04FS (EL)
IC425 (1/2)
TC74VHC74FS (EL)
IC425 (2/2)
TC74VHC74FS (EL)
IC426
TC74VHC165FS (EL)
IC427
TC74VHC165FS (EL)
CN401
2PR CLK
DA CLK
16:9/4:3
MARKER
BLKG OUT
HD IN
VD IN
BLKG
SG CLK OUT
LSI RESET CONT IN
TITLE IN
S GATE
S GATE CLK
MB
ES. 37/IF. 85
ES. 34
ES. 35
ES. 38
AT. 49

PR-240 (1/2)

B-DXCD30WS-PR240/M

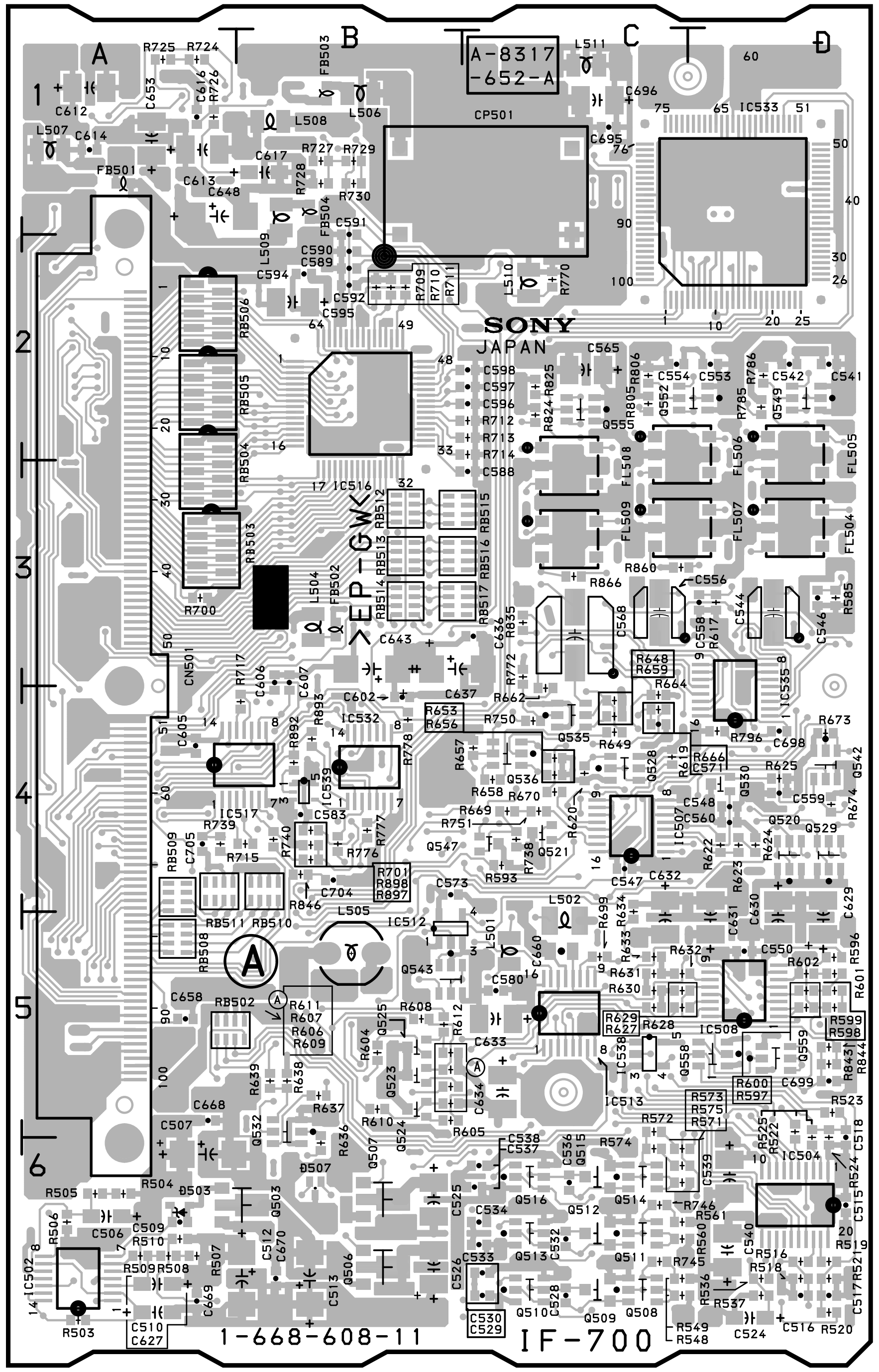
DUS-142 PR-240 (2/2)   PR-240 (2/2) DUS-142


1
2
3
4
5
IC304 (1/6) TC74VHC04FS (EL)
IC304 (6/6) TC74VHC04FS (EL)
IC304 (4/6) TC74VHC04FS (EL)
IC304 (2/6) TC74VHC04FS (EL)
IC304 (3/6) TC74VHC04FS (EL)
IC304 (5/6) TC74VHC04FS (EL)
IC336 . NM
IC337 TC7SH00FU-TE85R
IC303 (1/2) TC74VHC74FS (EL)
IC303 (2/2) TC74VHC74FS (EL)
IC305 TC74VHC157FS (EL)
IC306 TC74VHC157FS (EL)
IC307 TC74VHC157FS (EL)
IC308 TC74VHC157FS (EL)
IC309 (1/4) TC74VHC86FS (EL)
IC309 (2/4) TC74VHC86FS (EL)
IC309 (3/4) TC74VHC86FS (EL)
IC309 (4/4) TC74VHC86FS (EL)
IC301 TC74VHC573FS (EL)
IC302 TC74VHC573FS (EL)
IC310 TC74VHC573FS (EL)
IC311 TC74VHC573FS (EL)
IC312 TC74VHC573FS (EL)
IC313 TC74VHC573FS (EL)
IC314 TC74VHC573FS (EL)
IC315 CXK1203AR-T4
IC316 CXK1203AR-T4
IC317 CXK1203AR-T4
IC318 CXK1203AR-T4
IC319 CXK1203AR-T4
IC320 CXK1203AR-T4
IC321 CXK1203AR-T4
IC322 CXK1203AR-T4
61 CKD3
59 2PR CLK
56 CN RCK
55 CN WCK
54 CN WID
53 FLEN10
52 FLEN9
51 FLEN8
50 FLEN7
49 FLEN6
48 FLEN5
47 FLEN4
46 FLEN3
45 FLEN2
44 FLEN1
43 FLEN0
34 VF9
35 VF8
36 VF7
37 VF6
38 VF5
39 VF4
40 VF3
41 VF2
42 MARKER
57 S GATE
33 CB10
32 CB9
31 CB8
30 CB7
29 CB6
28 CB5
27 CB4
26 CB3
25 CB2
24 CB1
23 CB0
22 CR10
21 CR9
20 CR8
19 CR7
18 CR6
17 CR5
16 CR4
15 CR3
14 CR2
13 CR1
12 CR0
11 Y10
10 Y9
9 Y8
8 Y7
7 Y6
6 Y5
5 Y4
4 PRY3
3 Y2
2 Y1
1 Y0
58 16:9/4:3
C301 100 10V TA-C
C305 22μ
R303 330
YOX1 … YOX10
CROX1 … CROX10
CBOX1 … CBOX10
VFOX0 … VFOX9
CNDL0 … CNDL10
VFDL0 … VFDL10
A
B
C
D
E
F
G
H

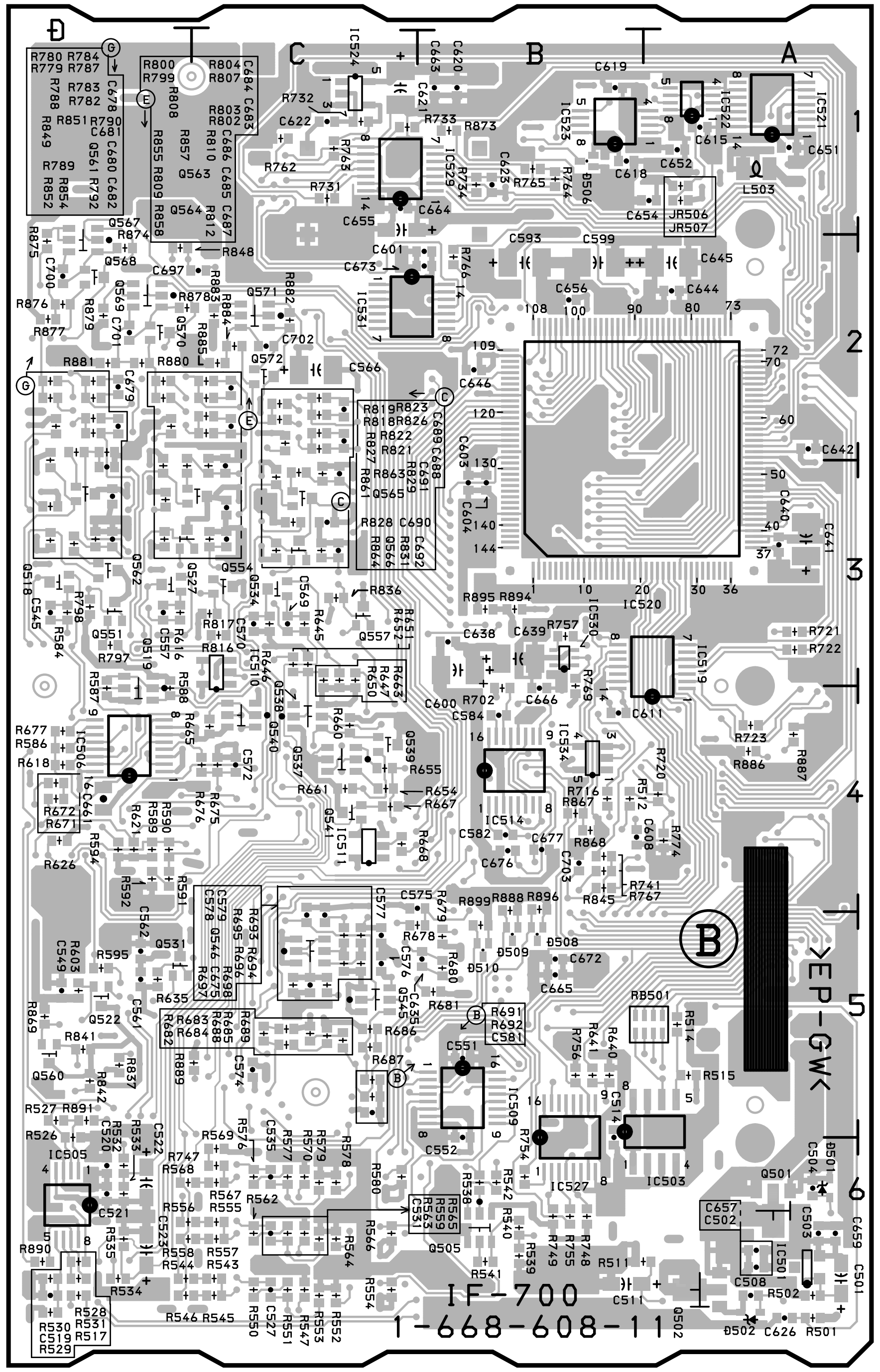

NOTE
. NM:NO MOUNT
IC323 SN74LVC821APW-E0 5
IC324 SN74LVC821APW-E0 5
IC325 SN74LVC821APW-E0 5
IC326 SN74LVC821APW-E0 5
IC327 CXK1203AR-T4
IC328 CXK1203AR-T4
IC329 CXK1203AR-T4
IC330 CXK1203AR-T4
IC331 SN74LVC821APW-E0 5
IC332 SN74LVC821APW-E0 5
IC333 (2/2) TC74VHC74FS (EL)
IC333 (1/2) TC74VHC74FS (EL)
IC334 CXD1171M-TH
IC335 (1/8) SN74HCT244APW-E0 5
IC335 (6/8) SN74HCT244APW-E0 5
Q404 2SA1576A-T106-QR
FL301 :4FW
3V
4.9V-2
-4.6V
-2
Y PR (0) OUT 7 IF, 5
Y PR (1) OUT 8 IF, 6
Y PR (2) OUT 9 IF, 7
Y PR (3) OUT 10 IF, 8
Y PR (4) OUT 11 IF, 9
Y PR (5) OUT 12 IF, 10
Y PR (6) OUT 13 IF, 11
Y PR (7) OUT 14 IF, 12
Y PR (8) OUT 15 IF, 13
Y PR (9) OUT 16 IF, 14
Y PR (10) OUT 17 IF, 15
Cr PR (0) OUT 18 IF, 16
Cr PR (1) OUT 19 IF, 17
Cr PR (2) OUT 20 IF, 18
Cr PR (3) OUT 21 IF, 19
Cr PR (4) OUT 22 IF, 20
Cr PR (5) OUT 23 IF, 21
Cr PR (6) OUT 24 IF, 22
Cr PR (7) OUT 25 IF, 23
Cr PR (8) OUT 26 IF, 24
Cr PR (9) OUT 27 IF, 25
Cr PR (10) OUT 28 IF, 26
Cb PR (0) OUT 29 IF, 27
Cb PR (1) OUT 30 IF, 28
Cb PR (2) OUT 31 IF, 29
Cb PR (3) OUT 32 IF, 30
Cb PR (4) OUT 33 IF, 31
Cb PR (5) OUT 34 IF, 32
Cb PR (6) OUT 35 IF, 33
Cb PR (7) OUT 36 IF, 34
Cb PR (8) OUT 37 IF, 35
Cb PR (9) OUT 38 IF, 36
Cb PR (10) OUT 39 IF, 37
MAKER OUT 70 ES, 49
S GATE CLK 63
SKIN GATE OUT 92 CN-1294, 806-1
BLKG 62
DA CLK 60
VF-Y OUT 95 ES, 50
1
2
3
4
5
I
J
K
L
M
N
O
P

PR-240 (2/2)

B-DXCD30WS-PR240/M


A
B
C
D
1
2
3
4
5
6
A-8317
-652-A
SONY
JAPAN
CP501
CN501
IC516
EP-GW
1-668-608-11
IF-700

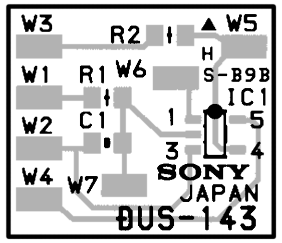
IF-700 **-A SIDE-**
1-668-608-11


D
C
B
A
1
2
3
4
5
6
EP-GW
IF-700
1-668-608-11

IF-700 **-B SIDE-**
1-668-608-11

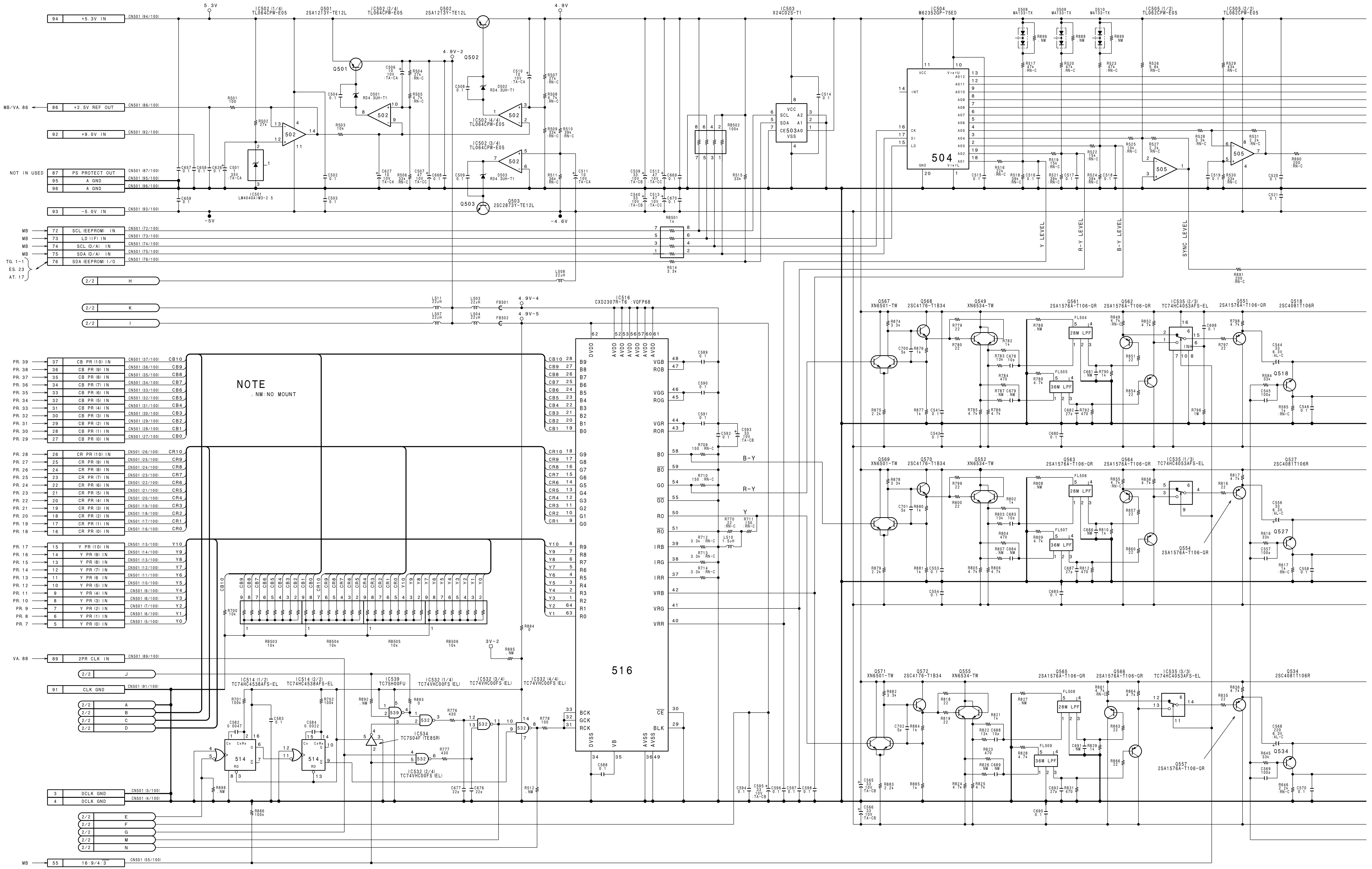
*: B SIDE

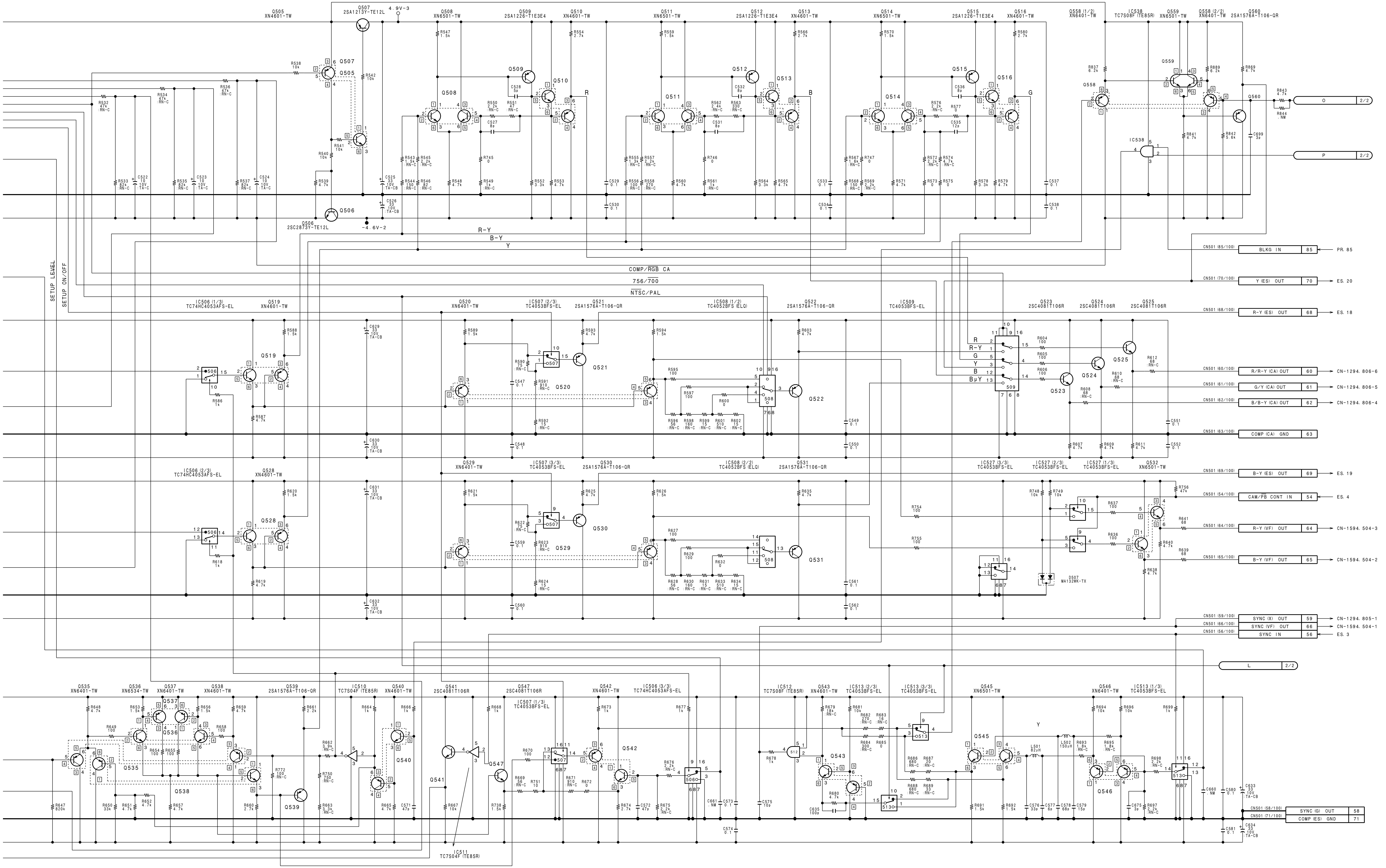
CN501	A3
CP501	B1
D501	*A6
D502	*A6
D503	A6
D506	*B1
D507	B6
D508	*B5
D509	*B5
D510	*B5
FB501	A1
FB502	B3
FB503	B1
FB504	B1
FL504	D3
FL505	D2
FL506	C2
FL507	C3
FL508	C3
FL509	C3
IC501	*A6
IC502	A6
IC503	*A5
IC504	D6
IC505	*D6
IC506	*D4
IC507	C4
IC508	D5
IC509	*B5
IC510	*C3
IC511	*C4
IC512	B5
IC513	C5
IC514	*B4
IC516	B2
IC517	B4
IC519	*A3
IC520	*B2
IC521	*A1
IC522	*A1
IC523	*B1
IC524	*C1
IC527	*B5
IC529	*C1
IC530	*B3
IC531	*C2
IC532	B4
IC533	D1
IC534	*B4
IC535	D4
IC538	C5
JR506	*A1
L501	C5
L502	C5
L503	*A1
L504	B3
L505	B5
L506	B1
L507	A1
L508	B1
L509	B1
L510	C2
L511	C1
Q501	*A6
Q502	*A6
Q503	B6
Q505	*B6
Q506	B6
Q507	B6
Q508	C6
Q509	C6
Q510	C6
Q511	C6
Q512	C6
Q513	C6
Q514	C6
Q515	C6
Q516	C6
Q518	*D3
Q519	*D4
Q520	D4
Q521	C4
Q522	*D5
Q523	B5
Q524	B5
Q525	B5
Q527	*D3
Q528	C4
Q529	D4
Q530	D4
Q531	*D5
Q532	B5
Q534	*C3
Q535	C4
Q536	C4
Q537	*C4
Q538	*C4
Q539	*C4
Q540	*C4
Q541	*C4
Q542	D4
Q543	B5
Q545	*C5
Q546	*C5
Q547	C4
Q549	D2
Q551	*D3
Q552	D2
Q554	*C3
Q555	C2
Q557	*C3
Q558	D5
Q559	D5
Q560	*D5
Q561	*D3
Q562	*D3
Q563	*C3
Q564	*D3
Q565	*C3
Q566	*C3
Q567	*D2
Q568	*D2
Q569	*D2
Q570	*D2
Q571	*C2
Q572	*C2
RB501	*A5
RB502	A5
RB503	A3
RB504	A3
RB505	A2
RB506	A2
RB508	A5
RB509	A4
RB510	B4
RB511	A4
RB512	B3
RB513	B3
RB514	B3
RB515	B3
RB516	B3
RB517	B3


W3
R2
W5
W1
R1
W6
H
S-B9B
IC1
W2
C1
1
5
3
4
W4
W7
SONY
JAPAN
DUS-143

DUS-143

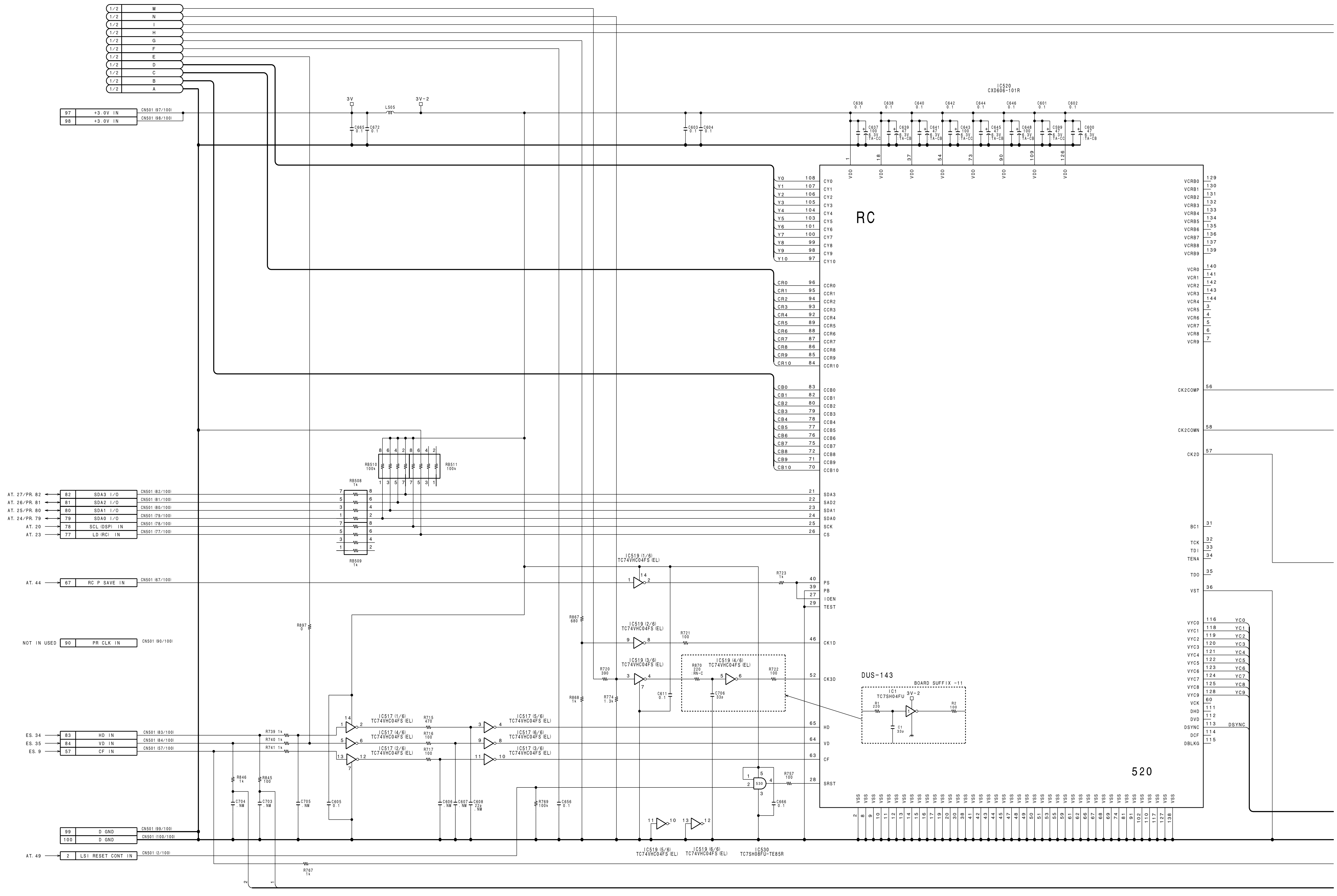
http://getMANUAL.com


NOTE
. NM: NO MOUNT
+5.3V IN
+2.5V REF OUT
+9.0V IN
PS PROTECT OUT
A GND
-5.0V IN
SCL (EEPROM) IN
LD (IF) IN
SCL (D/A) IN
SDA (D/A) IN
SDA (EEPROM) I/O
MB/VA. 86
NOT IN USED
TG. 1-1
ES. 23
AT. 17
IC502 (1/4) TL064CPW-E05
Q501 2SA1213Y-TE12L
IC502 (2/4) TL064CPW-E05
Q502 2SA1213Y-TE12L
IC502 (4/4) TL064CPW-E05
IC502 (3/4) TL064CPW-E05
Q503 2SC2873Y-TE12L
IC501 LM4040AIM3-2.5
IC503 X24C02S-T1
IC504 M62352GP-75ED
D508 MA133-TX
D509 MA133-TX
D510 MA133-TX
IC505 (1/2) TL062CPW-E05
IC505 (2/2) TL062CPW-E05
Y LEVEL
R-Y LEVEL
B-Y LEVEL
SYNC LEVEL
IC516 CXD2307R-T6 : VQFP68
516
CB PR (10) IN
CR PR (10) IN
Y PR (10) IN
2PR CLK IN
CLK GND
DCLK GND
16:9/4:3
RB503 10k
RB504 10k
RB505 10k
RB506 10k
IC514 (1/2) TC74HC4538AFS-EL
IC514 (2/2) TC74HC4538AFS-EL
IC539 TC7SH00FU
IC532 (1/4) TC74VHC00FS (EL)
IC532 (3/4) TC74VHC00FS (EL)
IC532 (4/4) TC74VHC00FS (EL)
IC534 TC7S04F (TE85R)
IC532 (2/4) TC74VHC00FS (EL)
B-Y
R-Y
Y
Q567 XN6501-TW
Q568 2SC4176-T1B34
Q549 XN6534-TW
Q561 2SA1576A-T106-QR
Q562 2SA1576A-T106-QR
IC535 (2/3) TC74HC4053AFS-EL
Q551 2SA1576A-T106-QR
Q518 2SC4081T106R
Q569 XN6501-TW
Q570 2SC4176-T1B34
Q552 XN6534-TW
Q563 2SA1576A-T106-QR
Q564 2SA1576A-T106-QR
IC535 (1/3) TC74HC4053AFS-EL
Q527 2SC4081T106R
Q554 2SA1576A-T106-QR
Q571 XN6501-TW
Q572 2SC4176-T1B34
Q555 XN6534-TW
Q565 2SA1576A-T106-QR
Q566 2SA1576A-T106-QR
IC535 (3/3) TC74HC4053AFS-EL
Q534 2SC4081T106R
Q557 2SA1576A-T106-QR
28M LPF
36M LPF
1
2
3
4
5
A
B
C
D
E
F
G
H

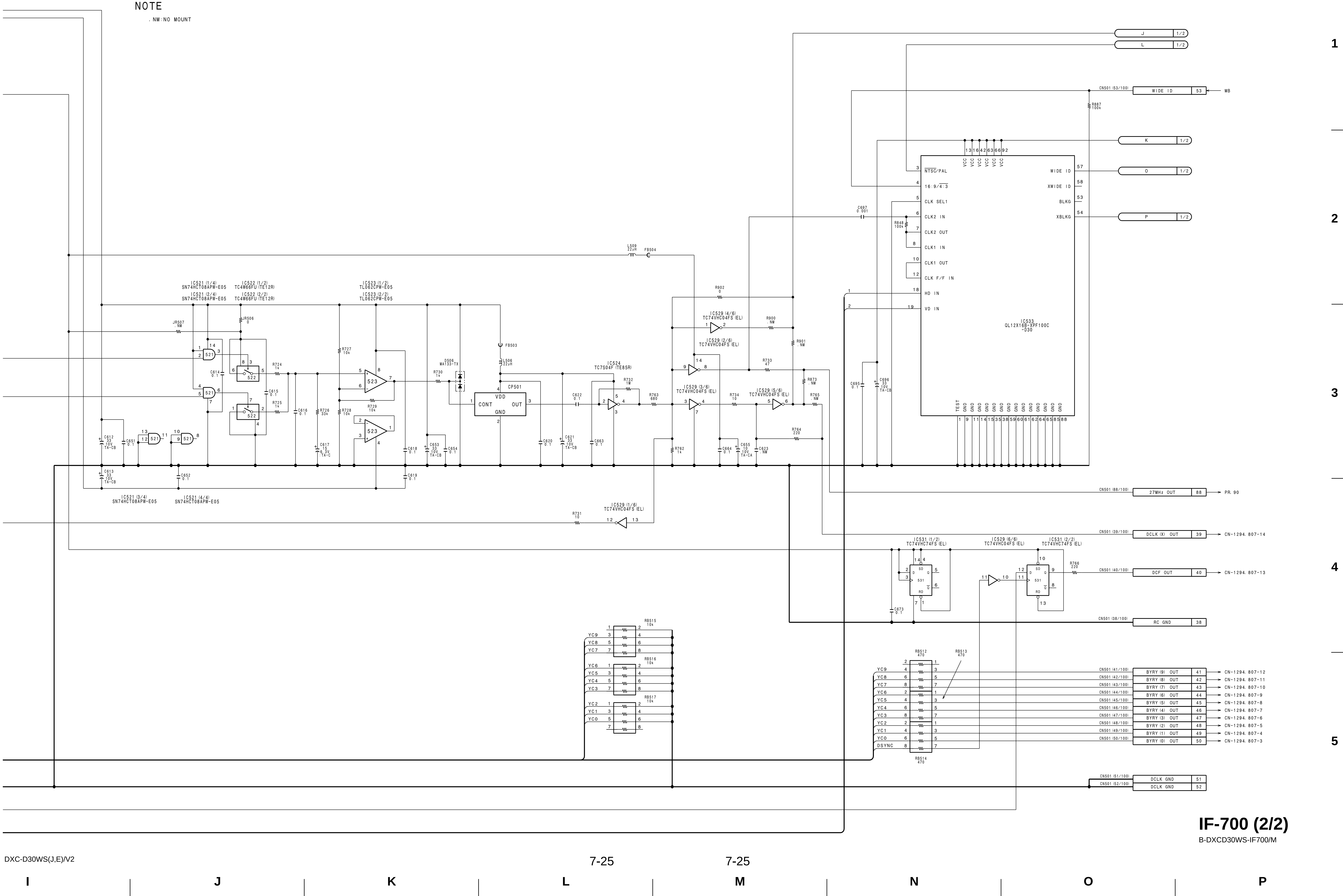

Q505 XN4601-TW
Q507 2SA1213Y-TE12L
4.9V-3
Q506 2SC2873Y-TE12L
-4.6V-2
Q508 XN6501-TW
Q509 2SA1226-T1E3E4
Q510 XN4601-TW
Q511 XN6501-TW
Q512 2SA1226-T1E3E4
Q513 XN4601-TW
Q514 XN6501-TW
Q515 2SA1226-T1E3E4
Q516 XN4601-TW
Q558 (1/2) XN6401-TW
IC538 TC7S08F (TE85R)
Q559 XN6501-TW
Q558 (2/2) XN6401-TW
Q560 2SA1576A-T106-QR
R
B
G
O 2/2
P 2/2
R-Y
B-Y
Y
COMP/RGB CA
756/700
NTSC/PAL
SETUP LEVEL
SETUP ON/OFF
IC506 (1/3) TC74HC4053AFS-EL
Q519 XN4601-TW
Q520 XN6401-TW
IC507 (2/3) TC4053BFS-EL
Q521 2SA1576A-T106-QR
IC508 (1/2) TC4052BFS (ELQ)
Q522 2SA1576A-T106-QR
IC509 TC4053BFS-EL
Q523 2SC4081T106R
Q524 2SC4081T106R
Q525 2SC4081T106R
IC506 (2/3) TC74HC4053AFS-EL
Q528 XN4601-TW
Q529 XN6401-TW
IC507 (3/3) TC4053BFS-EL
Q530 2SA1576A-T106-QR
IC508 (2/2) TC4052BFS (ELQ)
Q531 2SA1576A-T106-QR
IC527 (3/3) TC4053BFS-EL
IC527 (2/3) TC4053BFS-EL
IC527 (1/3) TC4053BFS-EL
Q532 XN6501-TW
D507 MA132WK-TX
CN501 (85/100) BLKG IN 85 PR, 85
CN501 (70/100) Y (ES) OUT 70 ES, 20
CN501 (68/100) R-Y (ES) OUT 68 ES, 18
CN501 (60/100) R/R-Y (CA) OUT 60 CN-1294, 806-6
CN501 (61/100) G/Y (CA) OUT 61 CN-1294, 806-5
CN501 (62/100) B/B-Y (CA) OUT 62 CN-1294, 806-4
CN501 (63/100) COMP (CA) GND 63
CN501 (69/100) B-Y (ES) OUT 69 ES, 19
CN501 (54/100) CAM/PB CONT IN 54 ES, 4
CN501 (64/100) R-Y (VF) OUT 64 CN-1594, 504-3
CN501 (65/100) B-Y (VF) OUT 65 CN-1594, 504-2
CN501 (59/100) SYNC (X) OUT 59 CN-1294, 805-1
CN501 (66/100) SYNC (VF) OUT 66 CN-1594, 504-1
CN501 (56/100) SYNC IN 56 ES, 3
L 2/2
Q535 XN6401-TW
Q536 XN6534-TW
Q537 XN4601-TW
Q538 XN4601-TW
Q539 2SA1576A-T106-QR
IC510 TC7S04F (TE85R)
Q540 XN4601-TW
Q541 2SC4081T106R
Q547 2SC4081T106R
IC507 (1/3) TC4053BFS-EL
Q542 XN4601-TW
IC506 (3/3) TC74HC4053AFS-EL
IC511 TC7S04F (TE85R)
IC512 TC7S08F (TE85R)
Q543 XN4601-TW
IC513 (2/3) TC4053BFS-EL
IC513 (3/3) TC4053BFS-EL
Q545 XN6501-TW
Q546 XN4601-TW
IC513 (1/3) TC4053BFS-EL
Y
CN501 (58/100) SYNC (G) OUT 58
CN501 (71/100) COMP (ES) GND 71
1
2
3
4
5
I
J
K
L
M
N
O
P

IF-700 (1/2)

B-DXCD30WS-IF700/M

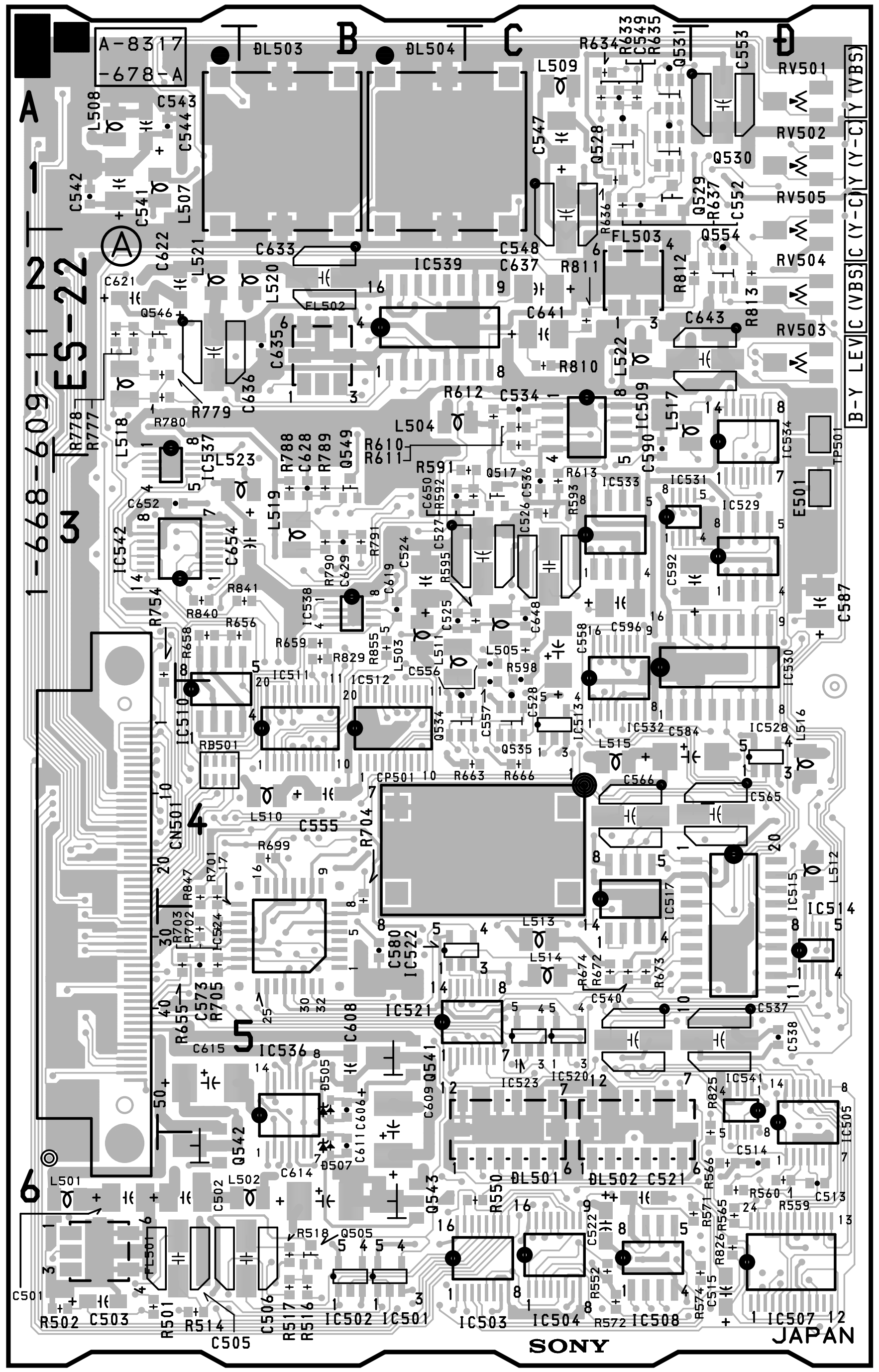

IC520
CXD606-101R
RC
520
DUS-143
BOARD SUFFIX -11
IC1
TC7SH04FU
IC517 TC74VHC04FS (EL)
IC519 TC74VHC04FS (EL)
IC530
TC7SH08FU-TE85R
97 +3.0V IN CN501 (97/100)
98 +3.0V IN CN501 (98/100)
AT. 27/PR. 82 82 SDA3 I/O CN501 (82/100)
AT. 26/PR. 81 81 SDA2 I/O CN501 (81/100)
AT. 25/PR. 80 80 SDA1 I/O CN501 (80/100)
AT. 24/PR. 79 79 SDA0 I/O CN501 (79/100)
AT. 20 78 SCL (DSP) IN CN501 (78/100)
AT. 23 77 LD (RC) IN CN501 (77/100)
AT. 44 67 RC P SAVE IN CN501 (67/100)
NOT IN USED 90 PR CLK IN CN501 (90/100)
ES. 34 83 HD IN CN501 (83/100)
ES. 35 84 VD IN CN501 (84/100)
ES. 9 57 CF IN CN501 (57/100)
99 D GND CN501 (99/100)
100 D GND CN501 (100/100)
AT. 49 2 LSI RESET CONT IN CN501 (2/100)
3V
3V-2
L505
RB510 100k
RB511 100k
RB508 1k
RB509 1k
CY0–CY10
CCR0–CCR10
CCB0–CCB10
SDA3
SAD2
SDA1
SDA0
SCK
CS
PS
PB
IOEN
TEST
CK1D
CK3D
HD
VD
CF
SRST
VCRB0–VCRB9
VCR0–VCR9
CK2COMP
CK2COMN
CK2D
BC1
TCK
TDI
TENA
TDO
VST
VYC0–VYC9
VCK
DHD
DVD
DSYNC
DCF
DBLKG
YC0–YC9
DSYNC
VDD
VSS
1
2
3
4
5
A
B
C
D
E
F
G
H

NOTE
, NM:NO MOUNT

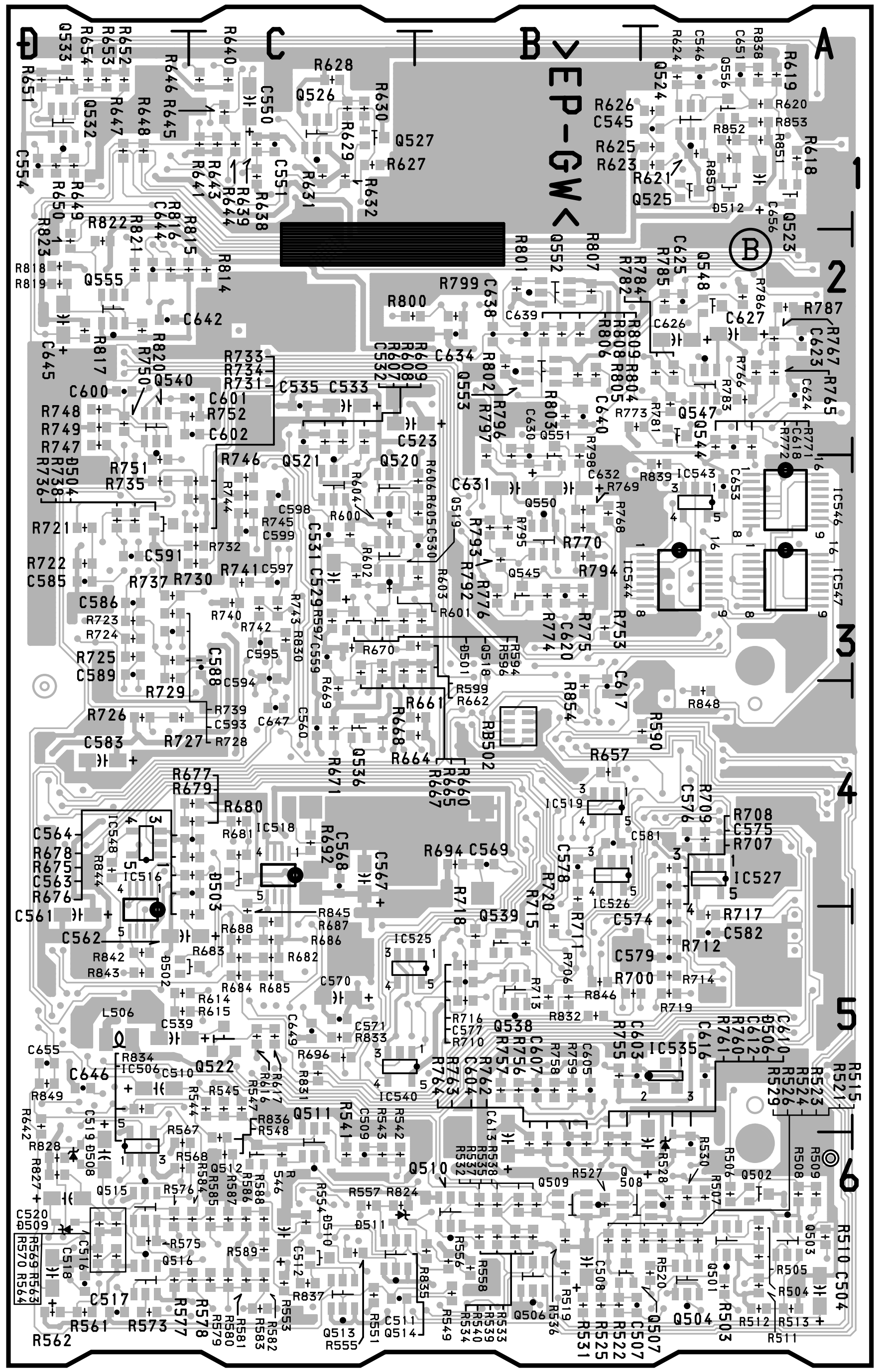

IC521 (1/4)
SN74HCT08APW-E05
IC521 (2/4)
SN74HCT08APW-E05
IC522 (1/2)
TC4W66FU (TE12R)
IC522 (2/2)
TC4W66FU (TE12R)
IC523 (1/2)
TL062CPW-E05
IC523 (2/2)
TL062CPW-E05
IC521 (3/4)
SN74HCT08APW-E05
IC521 (4/4)
SN74HCT08APW-E05
521
522
523
JR507 , NM
JR506 0
C612 33 10V :TA-CB
C613 33 10V :TA-CB
C651 0.1
C652 0.1
C614 0.1
C615 0.1
R724 1k
R725 1k
C616 0.1
R726 33k
C617 15 6.3V :TA-C
R727 10k
R728 10k
R729 10k
C618 0.1
C619 0.1
C653 33 10V :TA-CB
C654 0.1
D506 MA133-TX
R730 1k
FB503
L506 22μH
CP501
VDD
CONT
OUT
GND
C620 0.1
C621 33 10V :TA-CB
C622 0.1
C663 0.1
IC524
TC7S04F (TE85R)
R732 1M
R763 680
L509 22μH
FB504
R902 0
IC529 (4/6)
TC74VHC04FS (EL)
R900 , NM
R901 , NM
IC529 (2/6)
TC74VHC04FS (EL)
R733 47
IC529 (3/6)
TC74VHC04FS (EL)
R734 10
IC529 (5/6)
TC74VHC04FS (EL)
R873 , NM
R765 , NM
R764 220
R762 1k
C664 0.1
C655 10 10V :TA-CA
C623 , NM
IC529 (1/6)
TC74VHC04FS (EL)
R731 10
C697 0.001
R848 100k
C695 0.1
C696 33 10V :TA-CB
IC533
QL12X16B-XPF100C
-D30
NTSC/PAL
16:9/4:3
CLK SEL1
CLK2 IN
CLK2 OUT
CLK1 IN
CLK1 OUT
CLK F/F IN
HD IN
VD IN
WIDE ID
XWIDE ID
BLKG
XBLKG
VCC
TEST
GND
J 1/2
L 1/2
K 1/2
O 1/2
P 1/2
CN501 (53/100) WIDE ID 53 MB
R887 100k
CN501 (88/100) 27MHz OUT 88 PR. 90
CN501 (39/100) DCLK (X) OUT 39 CN-1294, 807-14
IC531 (1/2)
TC74VHC74FS (EL)
IC529 (6/6)
TC74VHC04FS (EL)
IC531 (2/2)
TC74VHC74FS (EL)
531
SD D Q Q RD
R766 220
CN501 (40/100) DCF OUT 40 CN-1294, 807-13
C673 0.1
CN501 (38/100) RC GND 38
RB515 10k
RB516 10k
RB517 10k
YC9
YC8
YC7
YC6
YC5
YC4
YC3
YC2
YC1
YC0
DSYNC
RB512 470
RB513 470
RB514 470
CN501 (41/100) BYRY (9) OUT 41 CN-1294, 807-12
CN501 (42/100) BYRY (8) OUT 42 CN-1294, 807-11
CN501 (43/100) BYRY (7) OUT 43 CN-1294, 807-10
CN501 (44/100) BYRY (6) OUT 44 CN-1294, 807-9
CN501 (45/100) BYRY (5) OUT 45 CN-1294, 807-8
CN501 (46/100) BYRY (4) OUT 46 CN-1294, 807-7
CN501 (47/100) BYRY (3) OUT 47 CN-1294, 807-6
CN501 (48/100) BYRY (2) OUT 48 CN-1294, 807-5
CN501 (49/100) BYRY (1) OUT 49 CN-1294, 807-4
CN501 (50/100) BYRY (0) OUT 50 CN-1294, 807-3
CN501 (51/100) DCLK GND 51
CN501 (52/100) DCLK GND 52
1
2
3
4
5
I
J
K
L
M
N
O
P

IF-700 (2/2)

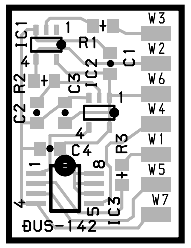
B-DXCD30WS-IF700/M


A-8317
-678-A
ES-22
1-668-609-11
A
B
C
D
1
2
3
4
5
6
RV501
RV502
RV505
RV504
RV503
Y (VBS)
Y (Y-C)
C (Y-C)
C (VBS)
B-Y LEV
TP501
E501
CN501
SONY
JAPAN

ES-22 **-A SIDE-**
1-668-609-11


D
C
B
A
>EP-GW<
1
2
3
4
5
6

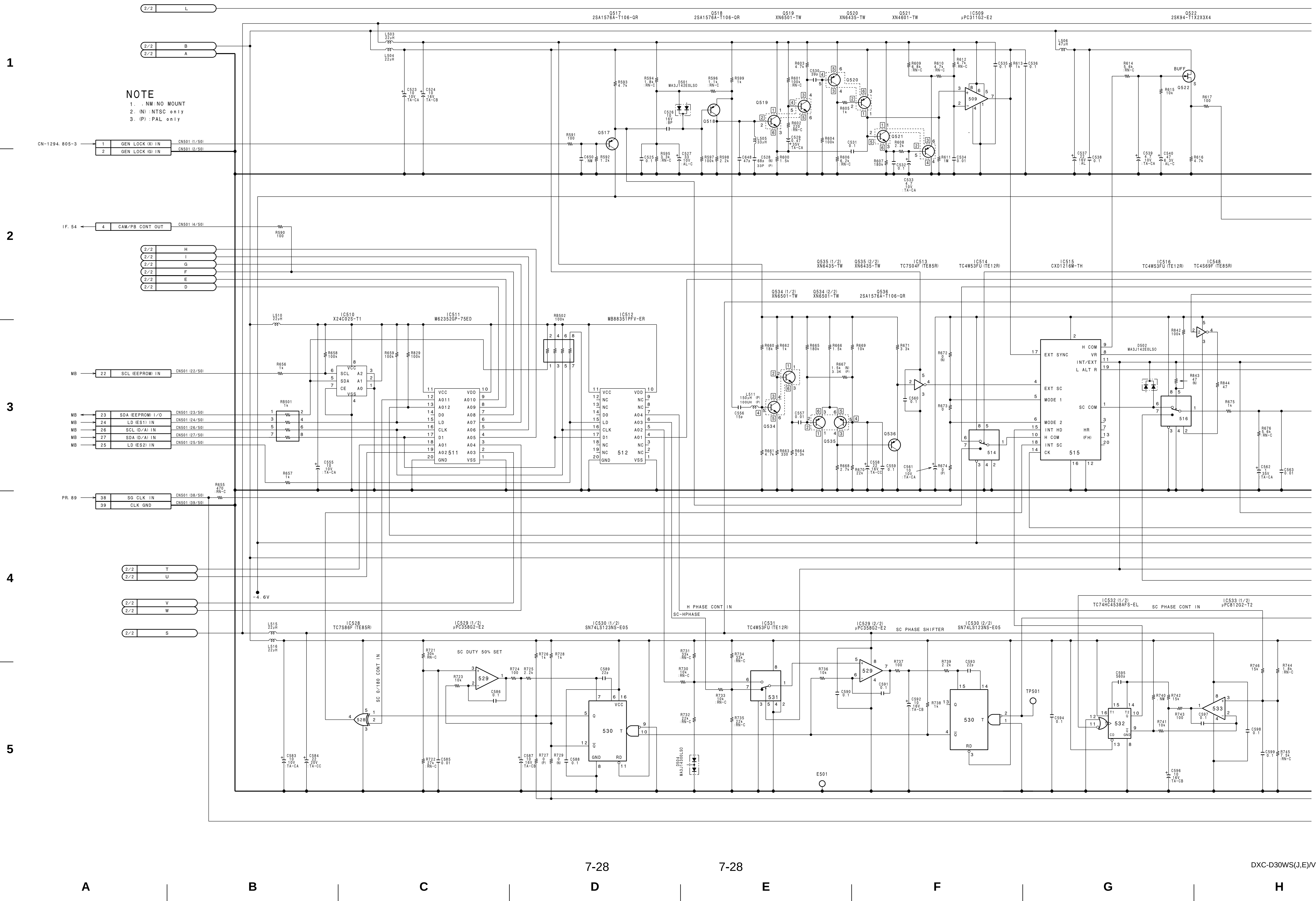
ES-22 **-B SIDE-**
1-668-609-11

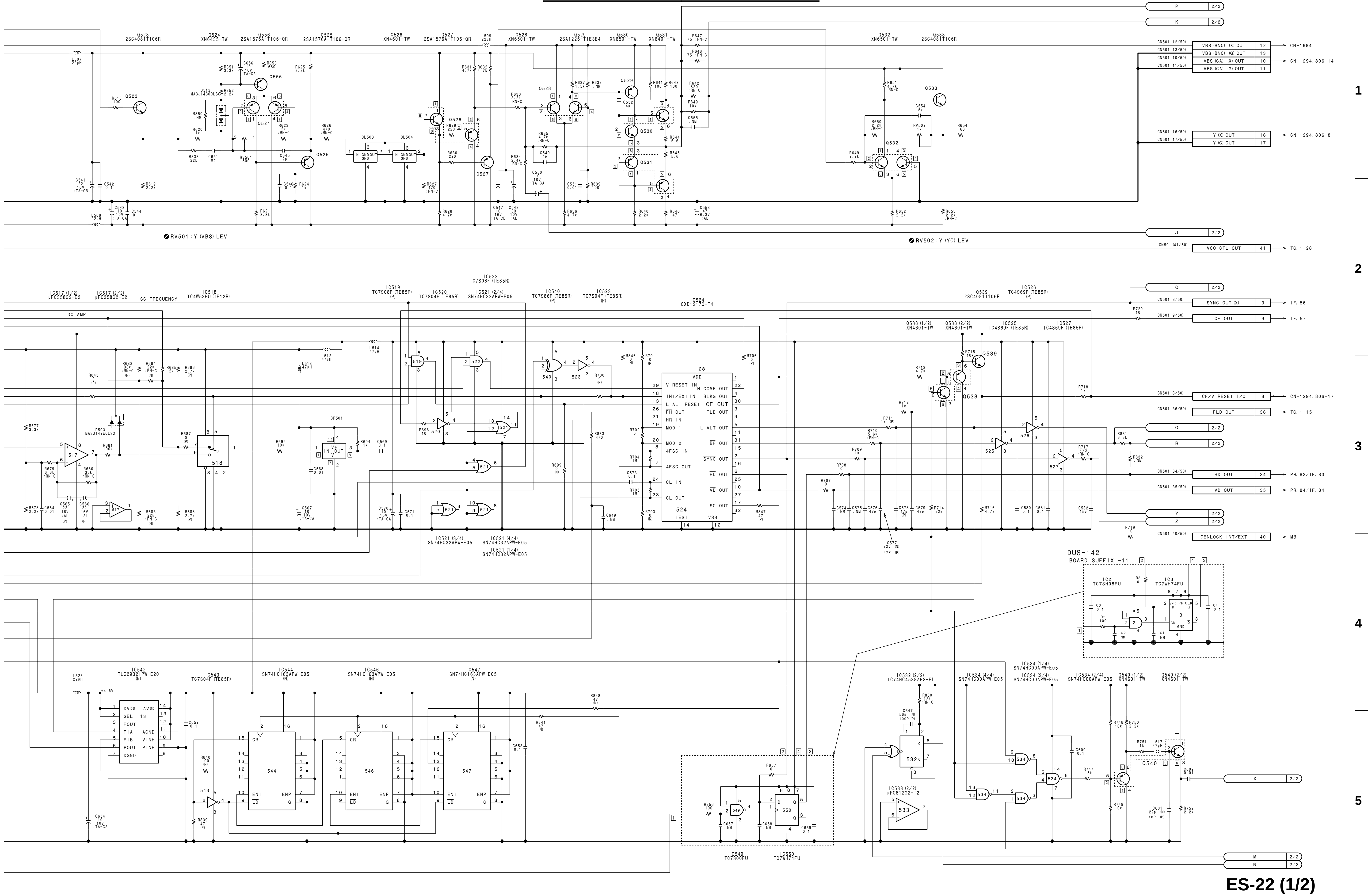

IC1
R1
C1
R2
C2
C3
IC2
R3
C4
IC3
W1
W2
W3
W4
W5
W6
W7
DUS-142

DUS-142

*: B SIDE

CN501	A4
CP501	C4
DL501	C5
DL502	C5
DL503	B1
DL504	B1
D501	*C3
D502	*C5
D503	*C4
D504	*D3
D505	B5
D506	*A6
D507	B6
D508	*D6
D510	*C6
D511	*C6
D512	*A1
E501	D3
FL501	A6
FL502	B2
FL503	C2
IC501	B6
IC502	B6
IC503	C6
IC504	C6
IC505	D5
IC506	*D6
IC507	D6
IC508	C6
IC509	C2
IC510	A4
IC511	B4
IC512	B4
IC513	C4
IC514	D5
IC515	D5
IC516	*D5
IC517	C4
IC518	*C4
IC519	*B4
IC520	C5
IC521	C5
IC522	B5
IC523	C5
IC524	B5
IC525	*C5
IC526	*B4
IC527	*A4
IC528	D4
IC529	D3
IC530	D3
IC531	C3
IC532	C3
IC533	C3
IC534	D2
IC535	*A5
IC536	B5
IC537	A3
IC538	B3
IC539	B2
IC540	*C5
IC541	D5
IC542	A3
IC543	*A3
IC544	*A3
IC546	*A3
IC547	*A3
IC548	*D4
L501	A6
L502	B6
L503	B3
L504	B2
L505	C3
L506	*D5
L507	A1
L508	A1
L509	C1
L510	B4
L511	B3
L512	D4
L513	C5
L514	C5
L515	C4
L516	D4
L517	D2
L518	A2
L519	B3
L520	B2
L521	A2
L522	C2
L523	B3
Q501	*A6
Q502	*A6
Q503	*A6
Q504	*A6
Q505	B6
Q506	*B6
Q507	*B6
Q508	*B6
Q509	*B6
Q510	*B6
Q511	*C6
Q512	*C6
Q513	*C6
Q514	*C6
Q515	*D6
Q516	*D6
Q517	C3
Q518	*C3
Q519	*C3
Q520	*C3
Q521	*C3
Q522	*C5
Q523	*A1
Q524	*A1
Q525	*A1
Q526	*C1
Q527	*C1
Q528	C1
Q529	C1
Q530	C1
Q531	C1
Q532	*D1
Q533	*D1
Q534	B4
Q535	C4
Q536	*C4
Q538	*B5
Q539	*B5
Q540	*D2
Q541	B5
Q542	A6
Q543	B6
Q544	*A2
Q545	*B3
Q546	A2
Q547	*A2
Q548	*A2
Q549	B3
Q550	*B3
Q551	*B3
Q552	*B2
Q553	*B2
Q554	D2
Q555	*D2
Q556	*A1
RB501	A4
RB502	*B4
RV501	D1
RV502	D1
RV503	D2
RV504	D2
RV505	D2
TP501	D2

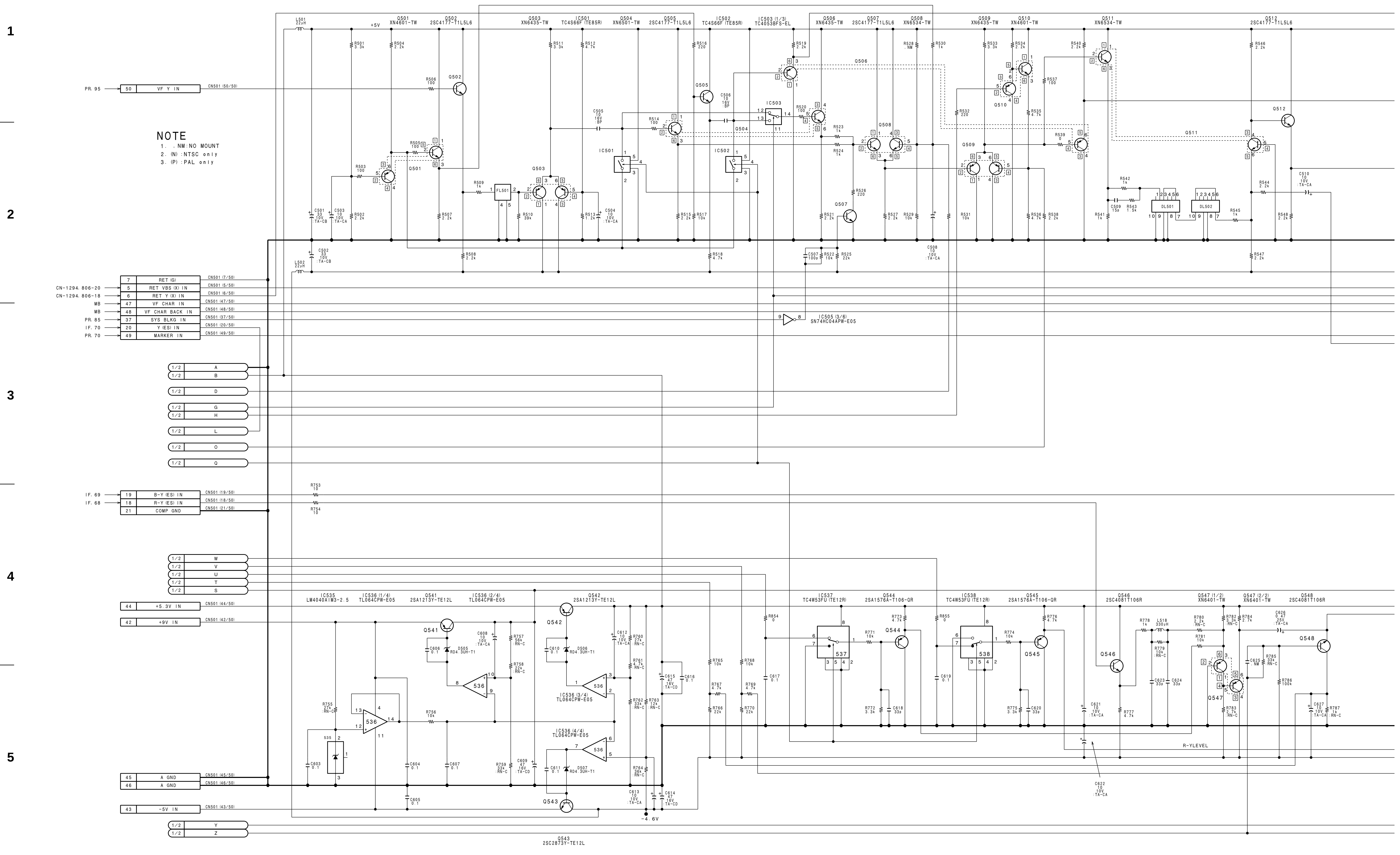

NOTE
1. : NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only
CN-1294. 805-3
GEN LOCK (X) IN
GEN LOCK (G) IN
CN501 (1/50)
CN501 (2/50)
IF. 54
CAM/PB CONT OUT
CN501 (4/50)
MB
SCL (EEPROM) IN
CN501 (22/50)
SDA (EEPROM) I/O
LD (ES1) IN
SCL (D/A) IN
SDA (D/A) IN
LD (ES2) IN
CN501 (23/50)
CN501 (24/50)
CN501 (26/50)
CN501 (27/50)
CN501 (25/50)
PR. 89
SG CLK IN
CLK GND
CN501 (38/50)
CN501 (39/50)
2/2 L
2/2 B
2/2 A
2/2 H
2/2 I
2/2 G
2/2 F
2/2 E
2/2 D
2/2 T
2/2 U
2/2 V
2/2 W
2/2 S
Q517 2SA1576A-T106-QR
Q518 2SA1576A-T106-QR
Q519 XN6501-TW
Q520 XN6435-TW
Q521 XN4601-TW
IC509 µPC311G2-E2
Q522 2SK94-T1X2X3X4
BUFF
IC510 X24C02S-T1
IC511 M62352GP-75ED
RB502 100k
IC512 MB88351PFV-ER
Q535 (1/2) XN6435-TW
Q535 (2/2) XN6435-TW
Q534 (1/2) XN6501-TW
Q534 (2/2) XN6501-TW
Q536 2SA1576A-T106-QR
IC513 TC7S04F (TE85R)
IC514 TC4W53FU (TE12R)
IC515 CXD1216M-TH
IC516 TC4W53FU (TE12R)
IC548 TC4S69F (TE85R)
D501 MA3J142E0LSO
D502 MA3J142E0LSO
D504 MA3J142E0LSO
EXT SYNC
EXT SC
MODE 1
MODE 2
INT HD
H COM
INT SC
CK
H COM
VR
INT/EXT
L ALT R
SC COM
HR
(FH)
-4.6V
IC528 TC7S86F (TE85R)
SC 0/180 CONT IN
IC529 (1/2) µPC358G2-E2
SC DUTY 50% SET
IC530 (1/2) SN74LS123NS-E05
H PHASE CONT IN
SC-HPHASE
IC531 TC4W53FU (TE12R)
IC529 (2/2) µPC358G2-E2
SC PHASE SHIFTER
IC530 (2/2) SN74LS123NS-E05
IC532 (1/2) TC74HC4538AFS-EL
SC PHASE CONT IN
IC533 (1/2) µPC812G2-T2
TP501
E501
1
2
3
4
5
A
B
C
D
E
F
G
H


Q523 2SC4081T106R
Q524 XN6435-TW
Q556 2SA1576A-T106-QR
Q525 2SA1576A-T106-QR
Q526 XN4601-TW
Q527 2SA1576A-T106-QR
Q528 XN6501-TW
Q529 2SA1226-T1E3E4
Q530 XN6501-TW
Q531 XN6401-TW
Q532 XN6501-TW
Q533 2SC4081T106R
DL503
DL504
RV501 : Y (VBS) LEV
RV502 : Y (YC) LEV
CN501 (12/50) VBS (BNC) (X) OUT 12 CN-1684
CN501 (13/50) VBS (BNC) (G) OUT 13
CN501 (10/50) VBS (CA) (X) OUT 10 CN-1294, 806-14
CN501 (11/50) VBS (CA) (G) OUT 11
CN501 (16/50) Y (X) OUT 16 CN-1294, 806-8
CN501 (17/50) Y (G) OUT 17
CN501 (41/50) VCO CTL OUT 41 TG. 1-28
P 2/2
K 2/2
J 2/2
IC517 (1/2) μPC358G2-E2
IC517 (2/2) μPC358G2-E2
SC-FREQUENCY
DC AMP
IC518 TC4W53FU (TE12R)
IC519 TC7S08F (TE85R) (P)
IC520 TC7S04F (TE85R)
IC522 TC7S08F (TE85R)
IC521 (2/4) SN74HC32APW-E05
IC540 TC7S86F (TE85R) (P)
IC523 TC7S04F (TE85R) (P)
IC524 CXD1217Q-T4
CP501
IC521 (3/4) SN74HC32APW-E05
IC521 (4/4) SN74HC32APW-E05
IC521 (1/4) SN74HC32APW-E05
V RESET IN
INT/EXT IN
L ALT RESET
FH OUT
HR IN
MOD 1
MOD 2
4FSC IN
4FSC OUT
CL IN
CL OUT
TEST
VDD
VSS
H COMP OUT
BLKG OUT
CF OUT
FLD OUT
L ALT OUT
BF OUT
SYNC OUT
HD OUT
VD OUT
SC OUT
Q538 (1/2) XN4601-TW
Q538 (2/2) XN4601-TW
Q539 2SC4081T106R
IC525 TC4S69F (TE85R)
IC526 TC4S69F (TE85R) (P)
IC527 TC4S69F (TE85R)
O 2/2
CN501 (3/50) SYNC OUT (X) 3 IF. 56
CN501 (9/50) CF OUT 9 IF. 57
CN501 (8/50) CF/V RESET I/O 8 CN-1294, 806-17
CN501 (36/50) FLD OUT 36 TG. 1-15
Q 2/2
R 2/2
CN501 (34/50) HD OUT 34 PR. 83/IF. 83
CN501 (35/50) VD OUT 35 PR. 84/IF. 84
Y 2/2
Z 2/2
CN501 (40/50) GENLOCK INT/EXT 40 MB
DUS-142 BOARD SUFFIX -11
IC2 TC7SH08FU
IC3 TC7WH74FU
IC542 TLC2932IPW-E20 (N)
IC543 TC7S04F (TE85R)
IC544 SN74HC163APW-E05 (N)
IC546 SN74HC163APW-E05 (N)
IC547 SN74HC163APW-E05 (N)
DV00 AV00
SEL
FOUT
FIA AGND
FIB VINH
POUT PINH
DGND
IC549 TC7S00FU
IC550 TC7WH74FU
IC532 (2/2) TC74HC4538AFS-EL
IC533 (2/2) μPC812G2-T2
IC534 (4/4) SN74HC00APW-E05
IC534 (1/4) SN74HC00APW-E05
IC534 (3/4) SN74HC00APW-E05
IC534 (2/4) SN74HC00APW-E05
Q540 (1/2) XN4601-TW
Q540 (2/2) XN4601-TW
X 2/2
M 2/2
N 2/2
1
2
3
4
5

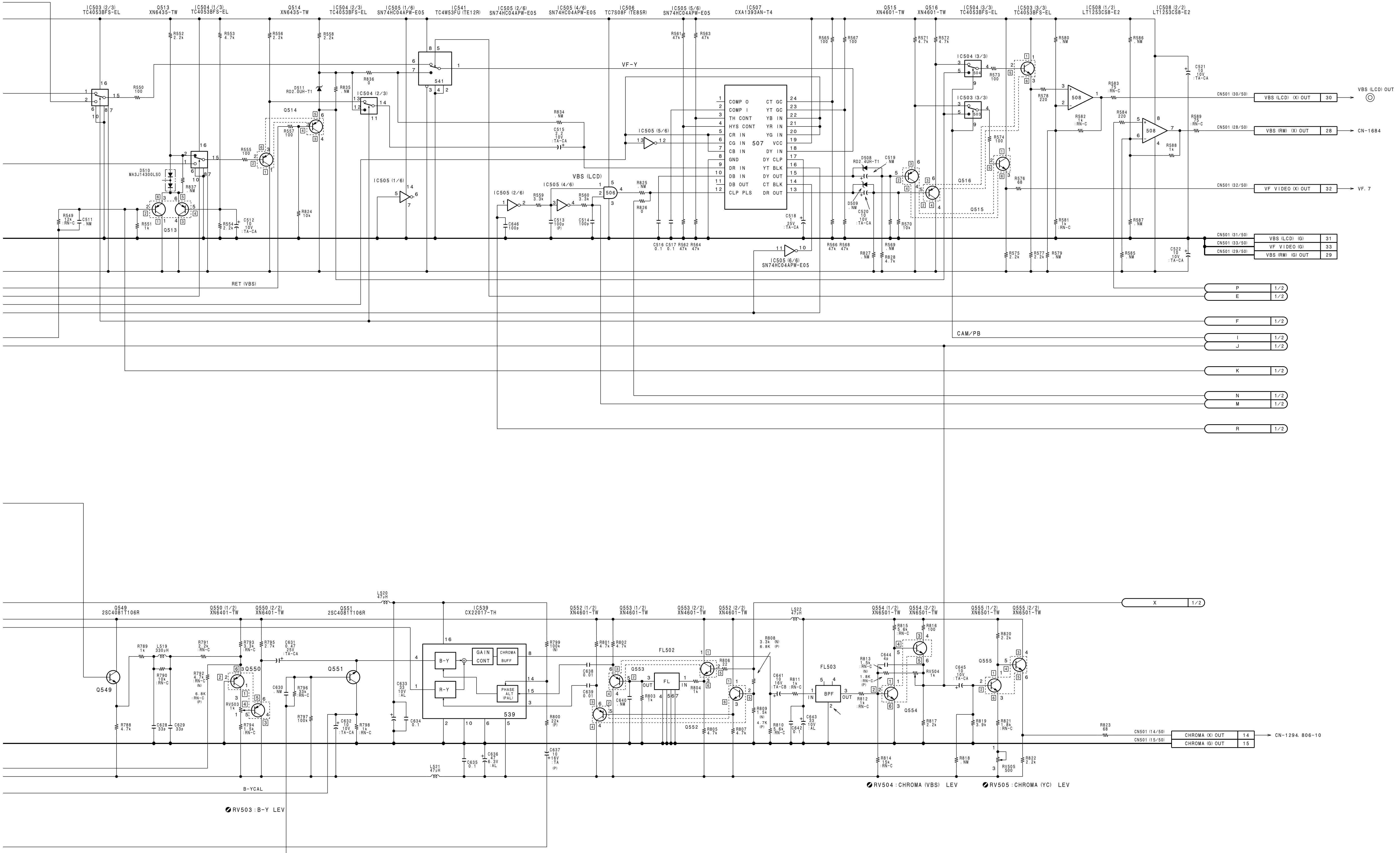
ES-22 (1/2)

B-DXCD30WS-ES22/M

DUS-142 ES-22 (2/2) ES-22 (2/2) DUS-142


1
2
3
4
5
L501 22μH
+5V
Q501 XN4601-TW
Q502 2SC4177-T1L5L6
Q503 XN6435-TW
IC501 TC4S66F(TE85R)
Q504 XN6501-TW
Q505 2SC4177-T1L5L6
IC502 TC4S66F(TE85R)
IC503 (1/3) TC4053BFS-EL
Q506 XN6435-TW
Q507 2SC4177-T1L5L6
Q508 XN6534-TW
Q509 XN6435-TW
Q510 XN4601-TW
Q511 XN6534-TW
Q512 2SC4177-T1L5L6
PR.95
50 VF Y IN
CN501 (50/50)
FL501
DL501
DL502
L502 22μH
CN-1294, 806-20
CN-1294, 806-18
MB
MB
PR, 85
IF, 70
PR, 70
7 RET (G)
5 RET VBS (X) IN
6 RET Y (X) IN
47 VF CHAR IN
48 VF CHAR BACK IN
37 SYS BLKG IN
20 Y (ES) IN
49 MARKER IN
CN501 (7/50)
CN501 (5/50)
CN501 (6/50)
CN501 (47/50)
CN501 (48/50)
CN501 (37/50)
CN501 (20/50)
CN501 (49/50)
IC505 (3/6) SN74HC04APW-E05
1/2 A
1/2 B
1/2 D
1/2 G
1/2 H
1/2 L
1/2 O
1/2 Q
IF. 69
IF. 68
19 B-Y (ES) IN
18 R-Y (ES) IN
21 COMP GND
CN501 (19/50)
CN501 (18/50)
CN501 (21/50)
R753 10
R754 10
1/2 W
1/2 V
1/2 U
1/2 T
1/2 S
44 +5.3V IN
42 +9V IN
CN501 (44/50)
CN501 (42/50)
IC535 LM4040AIM3-2.5
IC536 (1/4) TL064CPW-E05
Q541 2SA1213Y-TE12L
IC536 (2/4) TL064CPW-E05
Q542 2SA1213Y-TE12L
IC536 (3/4) TL064CPW-E05
IC536 (4/4) TL064CPW-E05
IC537 TC4W53FU(TE12R)
Q544 2SA1576A-T106-QR
IC538 TC4W53FU(TE12R)
Q545 2SA1576A-T106-QR
Q546 2SC4081T106R
Q547 (1/2) XN6401-TW
Q547 (2/2) XN6401-TW
Q548 2SC4081T106R
R-YLEVEL
45 A GND
46 A GND
CN501 (45/50)
CN501 (46/50)
43 -5V IN
CN501 (43/50)
-4.6V
Q543
1/2 Y
1/2 Z
Q543 2SC2873Y-TE12L
A
B
C
D
E
F
G
H

NOTE
1. , NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only

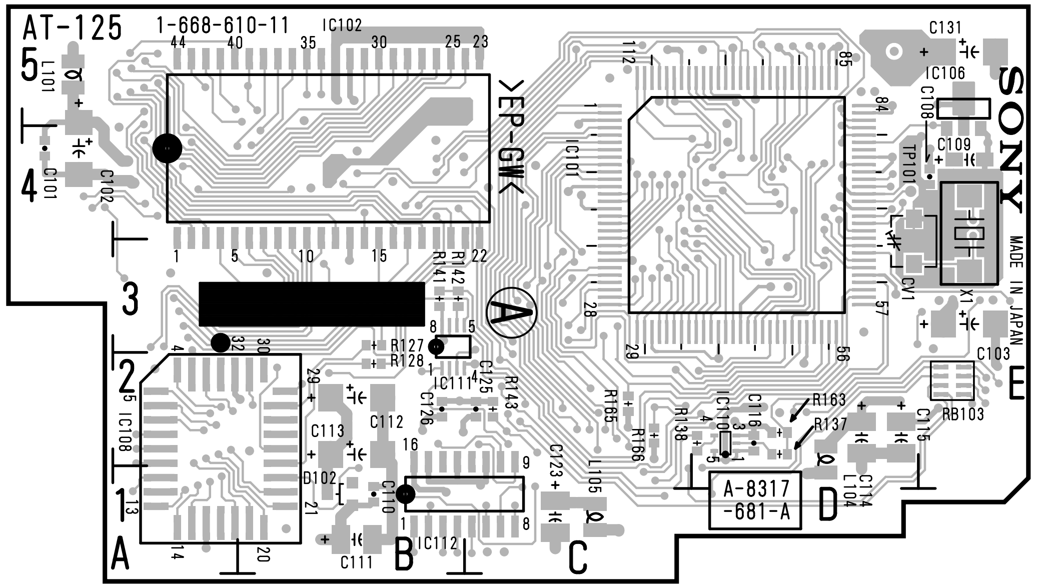

IC503 (2/3) TC4053BFS-EL
Q513 XN6435-TW
IC504 (1/3) TC4053BFS-EL
Q514 XN6435-TW
IC504 (2/3) TC4053BFS-EL
IC505 (1/6) SN74HC04APW-E05
IC541 TC4W53FU (TE12R)
IC505 (2/6) SN74HC04APW-E05
IC505 (4/6) SN74HC04APW-E05
IC506 TC7S08F (TE85R)
IC505 (5/6) SN74HC04APW-E05
IC507 CXA1393AN-T4
Q515 XN4601-TW
Q516 XN4601-TW
IC504 (3/3) TC4053BFS-EL
IC503 (3/3) TC4053BFS-EL
IC508 (1/2) LT1253CS8-E2
IC508 (2/2) LT1253CS8-E2
VF-Y
VBS (LCD)
RET (VBS)
CAM/PB
D510 MA3J14300LS0
D511 RD2.0UH-T1
D508 RD2.4UH-T1
D509
COMP O
COMP I
TH CONT
HYS CONT
CR IN
CG IN
CB IN
GND
DR IN
DB IN
DB OUT
CLP PLS
CT GC
YT GC
YB IN
YR IN
YG IN
VCC
DY IN
DY CLP
YT BLK
DY OUT
CT BLK
DR OUT
507
541
506
508
IC505 (6/6) SN74HC04APW-E05
CN501 (30/50)
VBS (LCD) (X) OUT
30
VBS (LCD) OUT
CN501 (28/50)
VBS (RM) (X) OUT
28
CN-1684
CN501 (32/50)
VF VIDEO (X) OUT
32
VF. 7
CN501 (31/50)
VBS (LCD) (G)
31
CN501 (33/50)
VF VIDEO (G)
33
CN501 (29/50)
VBS (RM) (G) OUT
29
P 1/2
E 1/2
F 1/2
I 1/2
J 1/2
K 1/2
N 1/2
M 1/2
R 1/2
X 1/2
Q549 2SC4081T106R
Q550 (1/2) XN6401-TW
Q550 (2/2) XN6401-TW
Q551 2SC4081T106R
IC539 CX22017-TH
Q552 (1/2) XN4601-TW
Q553 (1/2) XN4601-TW
Q553 (2/2) XN4601-TW
Q552 (2/2) XN4601-TW
Q554 (1/2) XN6501-TW
Q554 (2/2) XN6501-TW
Q555 (1/2) XN6501-TW
Q555 (2/2) XN6501-TW
B-Y
R-Y
GAIN CONT
CHROMA BUFF
PHASE ALT (PAL)
539
FL502
FL503
FL
BPF
IN
OUT
L520 47μH
L521 47μH
L522 47μH
L519 330μH
B-YCAL
RV503 : B-Y LEV
RV504 : CHROMA (VBS) LEV
RV505 : CHROMA (YC) LEV
CN501 (14/50)
CHROMA (X) OUT
14
CN501 (15/50)
CHROMA (G) OUT
15
CN-1294, 806-10

ES-22 (2/2)

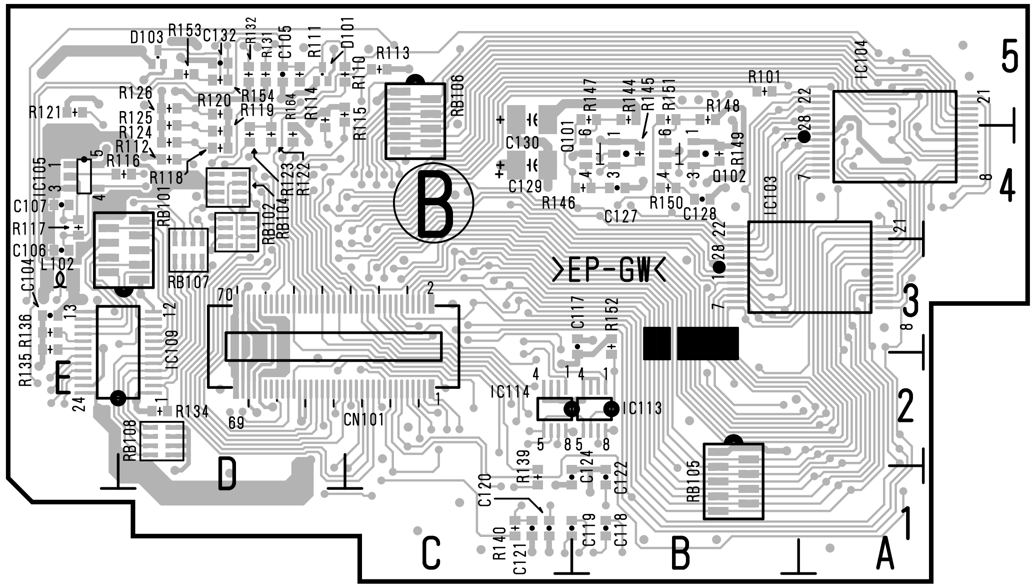
B-DXCD30WS-ES22/M

*: B SIDE

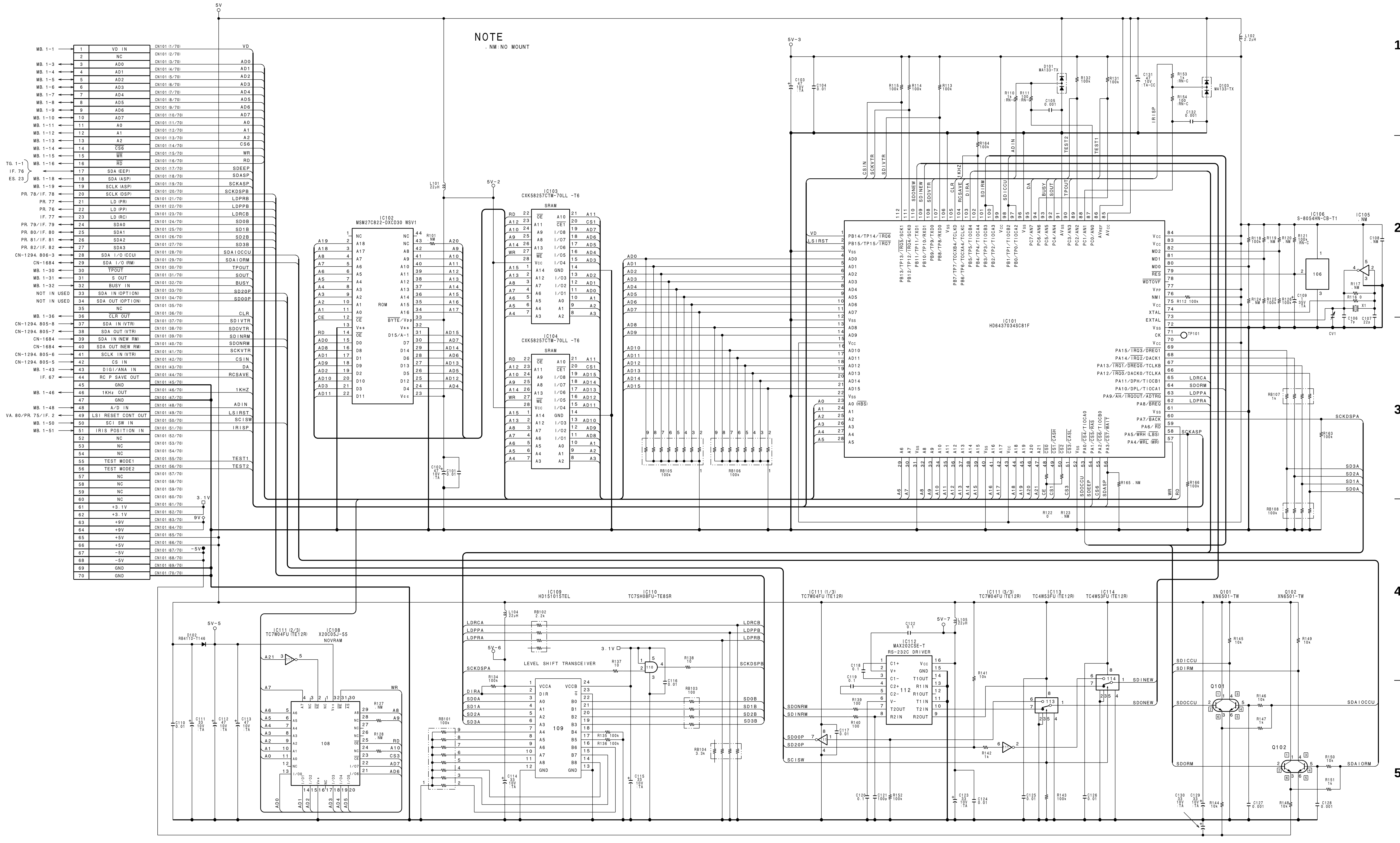
CNI102	B4
CN101	*D3
CV1	D3
D101	*D5
D102	B1
D103	*D5
IC101	D4
IC102	B4
IC103	*A3
IC104	*A4
IC106	E5
IC108	A2
IC109	*D2
IC110	D2
IC111	B3
IC112	B1
IC113	*B2
IC114	*C2
L101	A5
L102	*E3
L104	D2
L105	C1
Q101	*B4
Q102	*B4
RB101	*D3
RB102	*D4
RB103	E2
RB104	*D4
RB105	*B1
RB106	*C5
RB107	*D3
RB108	*D2
X1	E4


AT-125
1-668-610-11
IC102
>EP-GW<
SONY
MADE IN JAPAN
A
A-8317
-681-A
IC101
IC106
IC108
IC110
IC111
IC112
C131
C109
C103
RB103
R127
R128
R141
R142
R143
R163
R137
C113
C112
D102
C111
L101
C101
C102
L104
L105
CV1
X1
TP101
1
2
3
4
5
A
B
C
D
E

AT-125 **-A SIDE-**
1-668-610-11


>EP-GW<
B
D103
R153
C132
R113
RB106
R101
IC104
R121
R126
R125
R124
R120
R154
R119
R118
RB101
RB102
RB104
RB107
C105
C107
R117
C106
L102
C104
R135
R136
IC109
RB108
R134
CN101
IC114
IC113
RB105
C117
R152
IC103
Q101
Q102
C130
C129
C127
C128
R146
R150
R148
R149
C120
R139
C124
C122
R140
C121
C119
C118
1
2
3
4
5
A
B
C
D
E

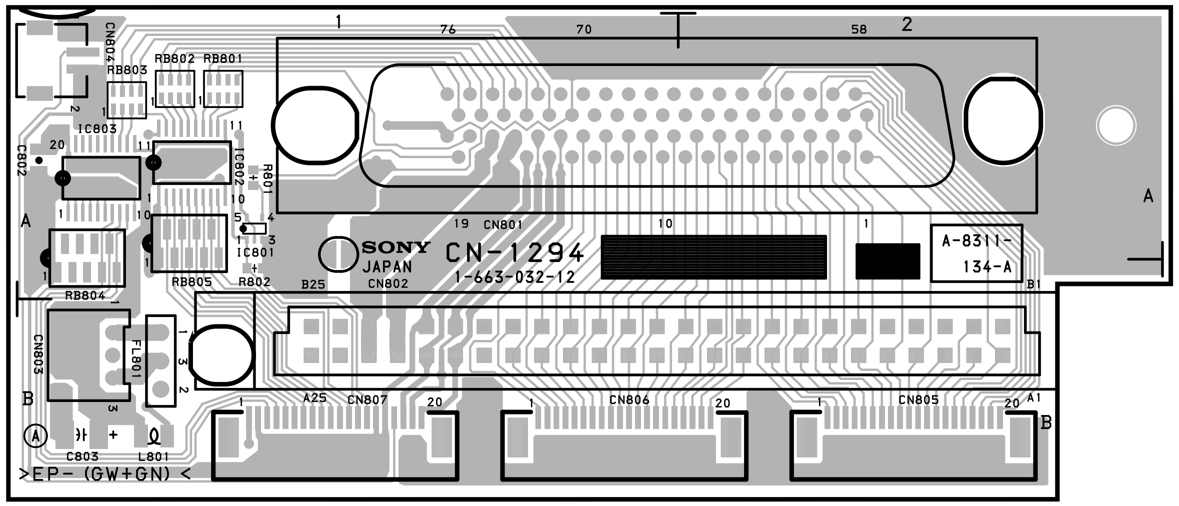
AT-125 **-B SIDE-**
1-668-610-11



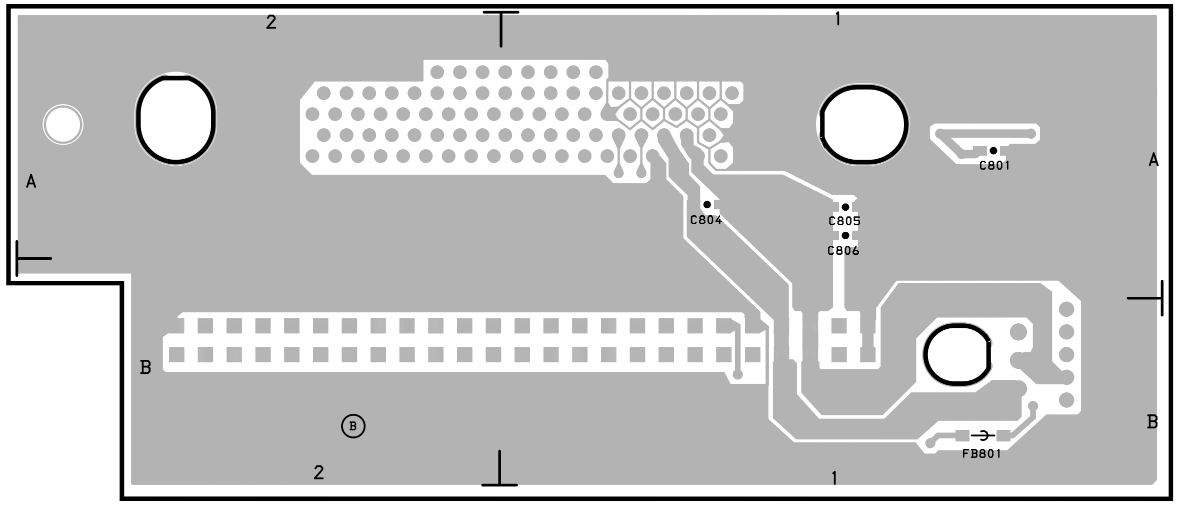
NOTE

.NM:NO MOUNT

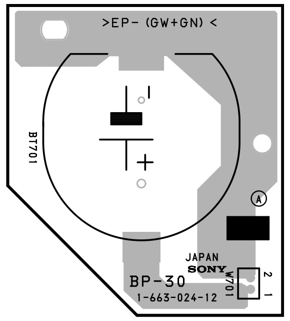
CN101
1 VD IN
2 NC
3 AD0
4 AD1
5 AD2
6 AD3
7 AD4
8 AD5
9 AD6
10 AD7
11 A0
12 A1
13 A2
14 CS6
15 WR
16 RD
17 SDA (EEP)
18 SDA (ASP)
19 SCLK (ASP)
20 SCLK (DSP)
21 LD (PR)
22 LD (PP)
23 LD (RC)
24 SDA0
25 SDA1
26 SDA2
27 SDA3
28 SDA I/O (CCU)
29 SDA I/O (RM)
30 TPOUT
31 S OUT
32 BUSY IN
33 SDA IN (OPTION)
34 SDA OUT (OPTION)
35 NC
36 CLR OUT
37 SDA IN (VTR)
38 SDA OUT (VTR)
39 SDA IN (NEW RM)
40 SDA OUT (NEW RM)
41 SCLK IN (VTR)
42 CS IN
43 DIGI/ANA IN
44 RC P SAVE OUT
45 GND
46 1KHz OUT
47 GND
48 A/D IN
49 LSI RESET CONT OUT
50 SCI SW IN
51 IRIS POSITION IN
52 NC
53 NC
54 NC
55 TEST MODE1
56 TEST MODE2
57 NC
58 NC
59 NC
60 NC
61 +3.1V
62 +3.1V
63 +9V
64 +9V
65 +5V
66 +5V
67 -5V
68 -5V
69 GND
70 GND
5V
5V-2
5V-3
5V-5
5V-6
5V-7
3.1V
9V
-5V
IC101 HD6437034SC81F
IC102 MSM27C822-DXCD30 WSV1
ROM
IC103 CXK58257CTM-70LL -T6
SRAM
IC104 CXK58257CTM-70LL -T6
SRAM
IC105 .NM
IC106 S-8054HN-CB-T1
IC108 X20C05J-55
NOVRAM
IC109 HD151015TEL
LEVEL SHIFT TRANSCEIVER
IC110 TC7SH08FU-TE85R
IC111 (1/3) TC7W04FU (TE12R)
IC111 (2/3) TC7W04FU (TE12R)
IC111 (3/3) TC7W04FU (TE12R)
IC112 MAX202CSE-T
RS-232C DRIVER
IC113 TC4W53FU (TE12R)
IC114 TC4W53FU (TE12R)
Q101 XN6501-TW
Q102 XN6501-TW
D101 MA133-TX
D102 RB411D-T146
D103 MA133-TX
TP101
1
2
3
4
5
A
B
C
D
E
F
G
H


1
76
70
58
2
CN804
RB803
RB802
RB801
IC803
20
CB02
IC802
R801
A
1
10
5
4
3
IC801
R802
RB805
RB804
19
CN801
10
1
SONY
JAPAN
CN-1294
1-663-032-12
CN802
B25
A-8311-
134-A
B1
CN803
FL801
B
A25
CN807
20
CN806
20
CN805
20
A1
Ⓐ
C803
L801
>EP- (GW+GN) <

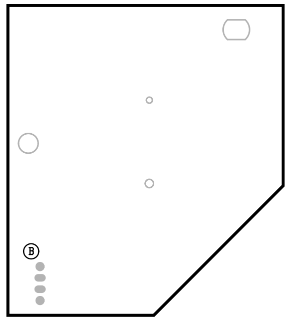
CN-1294 -A SIDE-
1-663-032-12


2
1
A
C801
C804
C805
C806
B
Ⓑ
FB801
2
1

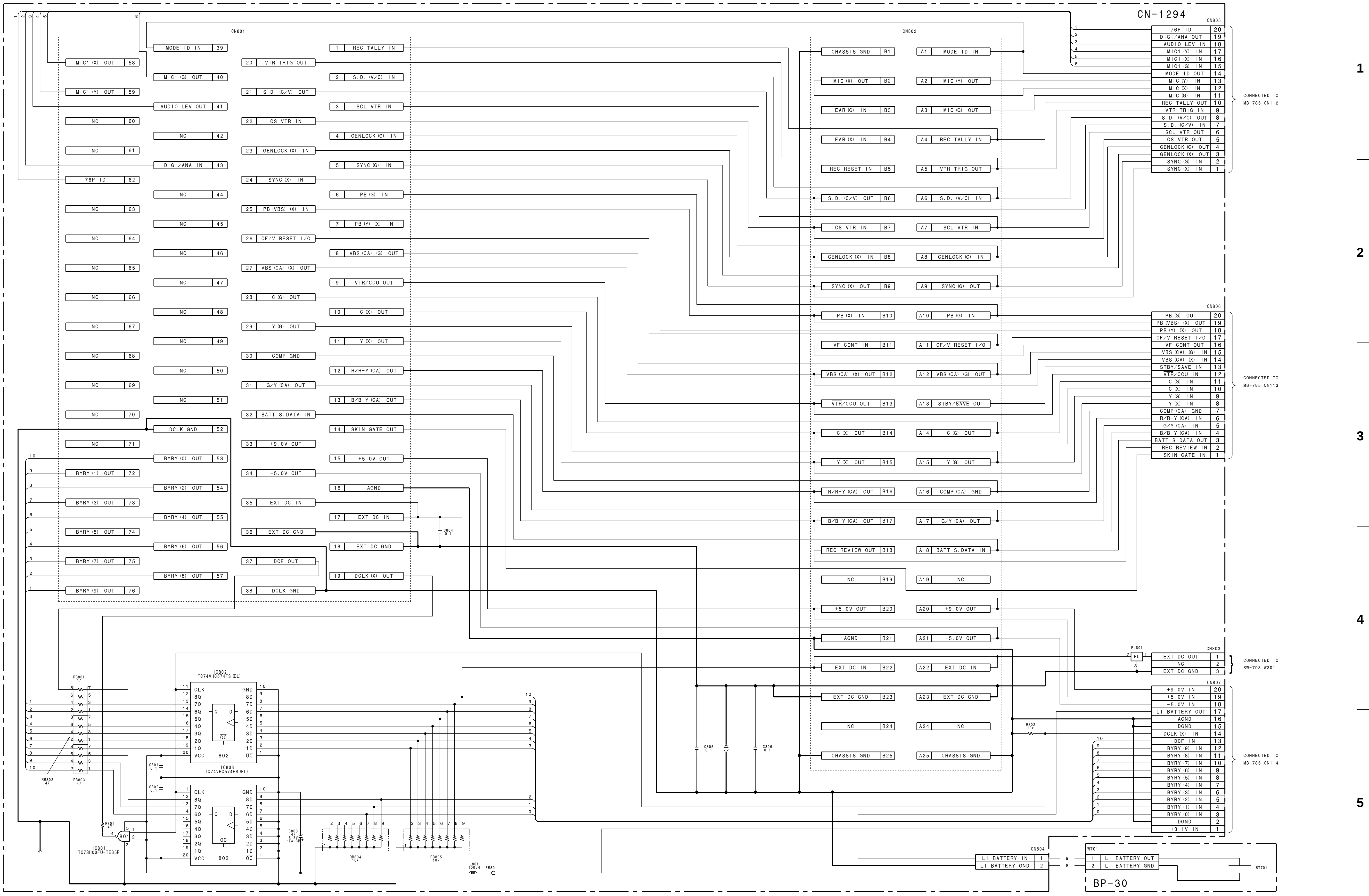
CN-1294 -B SIDE-
1-663-032-12


>EP- (GW+GN) <
BT701
+
Ⓐ
JAPAN
SONY
BP-30
1-663-024-12
W701
2
1

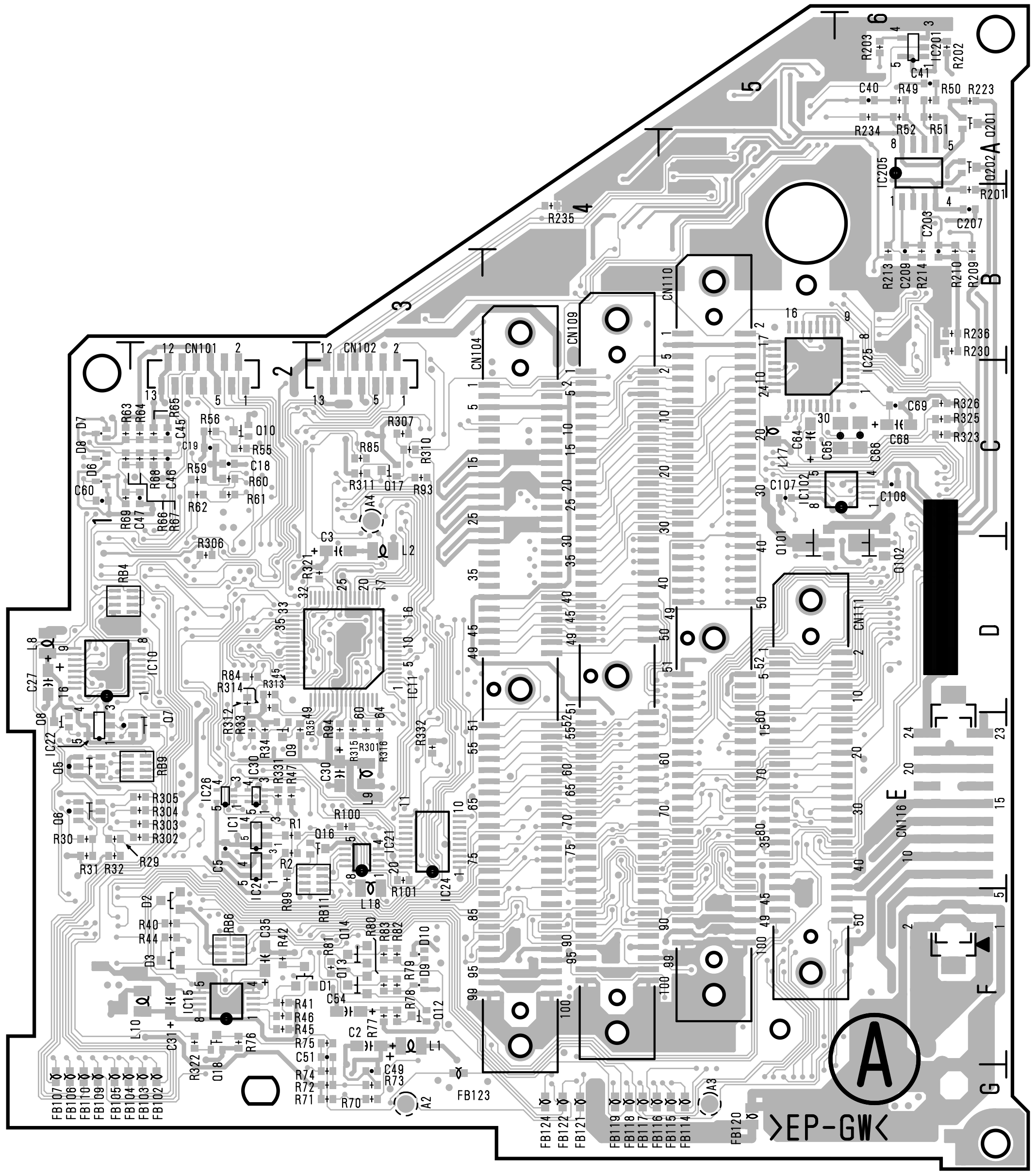
BP-30 -A SIDE-
1-663-024-12



BP-30 -B SIDE-
1-663-024-12

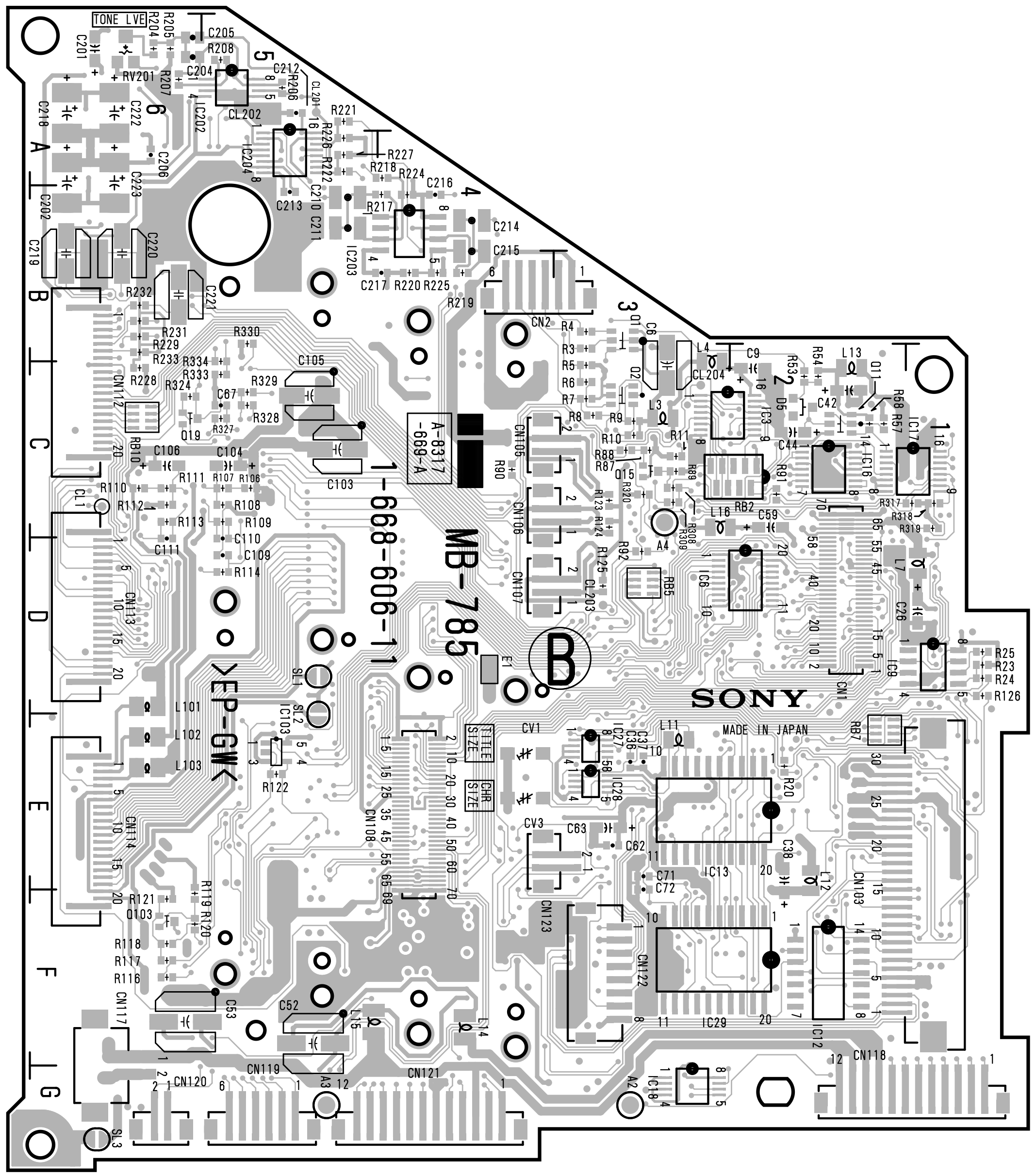

CN-1294
CN801
MIC1 (X) OUT 58
MIC1 (Y) OUT 59
NC 60
NC 61
76P ID 62
NC 63
NC 64
NC 65
NC 66
NC 67
NC 68
NC 69
NC 70
NC 71
BYRY (1) OUT 72
BYRY (3) OUT 73
BYRY (5) OUT 74
BYRY (7) OUT 75
BYRY (9) OUT 76
MODE ID IN 39
MIC1 (G) OUT 40
AUDIO LEV OUT 41
NC 42
DIGI/ANA IN 43
NC 44
NC 45
NC 46
NC 47
NC 48
NC 49
NC 50
NC 51
DCLK GND 52
BYRY (0) OUT 53
BYRY (2) OUT 54
BYRY (4) OUT 55
BYRY (6) OUT 56
BYRY (8) OUT 57
20 VTR TRIG OUT
21 S.D. (C/V) OUT
22 CS VTR IN
23 GENLOCK (X) IN
24 SYNC (X) IN
25 PB (VBS) (X) IN
26 CF/V RESET I/O
27 VBS (CA) (X) OUT
28 C (G) OUT
29 Y (G) OUT
30 COMP GND
31 G/Y (CA) OUT
32 BATT S.DATA IN
33 +9.0V OUT
34 -5.0V OUT
35 EXT DC IN
36 EXT DC GND
37 DCF OUT
38 DCLK GND
1 REC TALLY IN
2 S.D. (V/C) IN
3 SCL VTR IN
4 GENLOCK (G) IN
5 SYNC (G) IN
6 PB (G) IN
7 PB (Y) (X) IN
8 VBS (CA) (G) OUT
9 VTR/CCU OUT
10 C (X) OUT
11 Y (X) OUT
12 R/R-Y (CA) OUT
13 B/B-Y (CA) OUT
14 SKIN GATE OUT
15 +5.0V OUT
16 AGND
17 EXT DC IN
18 EXT DC GND
19 DCLK (X) OUT
C804 0.1
CN802
CHASSIS GND B1
MIC (X) OUT B2
EAR (G) IN B3
EAR (X) IN B4
REC RESET IN B5
S.D. (C/V) OUT B6
CS VTR IN B7
GENLOCK (X) IN B8
SYNC (X) OUT B9
PB (X) IN B10
VF CONT IN B11
VBS (CA) (X) OUT B12
VTR/CCU OUT B13
C (X) OUT B14
Y (X) OUT B15
R/R-Y (CA) OUT B16
B/B-Y (CA) OUT B17
REC REVIEW OUT B18
NC B19
+5.0V OUT B20
AGND B21
EXT DC IN B22
EXT DC GND B23
NC B24
CHASSIS GND B25
A1 MODE ID IN
A2 MIC (Y) OUT
A3 MIC (G) OUT
A4 REC TALLY IN
A5 VTR TRIG OUT
A6 S.D. (V/C) IN
A7 SCL VTR IN
A8 GENLOCK (G) IN
A9 SYNC (G) OUT
A10 PB (G) IN
A11 CF/V RESET I/O
A12 VBS (CA) (G) OUT
A13 STBY/SAVE OUT
A14 C (G) OUT
A15 Y (G) OUT
A16 COMP (CA) GND
A17 G/Y (CA) OUT
A18 BATT S.DATA IN
A19 NC
A20 +9.0V OUT
A21 -5.0V OUT
A22 EXT DC IN
A23 EXT DC GND
A24 NC
A25 CHASSIS GND
C805 0.1
C806 0.1
CN805
76P ID 20
DIGI/ANA OUT 19
AUDIO LEV IN 18
MIC1 (Y) IN 17
MIC1 (X) IN 16
MIC1 (G) IN 15
MODE ID OUT 14
MIC (Y) IN 13
MIC (X) IN 12
MIC (G) IN 11
REC TALLY OUT 10
VTR TRIG IN 9
S.D. (V/C) OUT 8
S.D. (C/V) IN 7
SCL VTR OUT 6
CS VTR OUT 5
GENLOCK (G) OUT 4
GENLOCK (X) OUT 3
SYNC (G) IN 2
SYNC (X) IN 1
CONNECTED TO MB-785, CN112
CN806
PB (G) OUT 20
PB (VBS) (X) OUT 19
PB (Y) (X) OUT 18
CF/V RESET I/O 17
VF CONT OUT 16
VBS (CA) (G) IN 15
VBS (CA) (X) IN 14
STBY/SAVE IN 13
VTR/CCU IN 12
C (G) IN 11
C (X) IN 10
Y (G) IN 9
Y (X) IN 8
COMP (CA) GND 7
R/R-Y (CA) IN 6
G/Y (CA) IN 5
B/B-Y (CA) IN 4
BATT S.DATA OUT 3
REC REVIEW IN 2
SKIN GATE IN 1
CONNECTED TO MB-785, CN113
FL801
CN803
EXT DC OUT 1
NC 2
EXT DC GND 3
CONNECTED TO SW-793, W301
CN807
+9.0V IN 20
+5.0V IN 19
-5.0V IN 18
LI BATTERY OUT 17
AGND 16
DGND 15
DCLK (X) IN 14
DCF IN 13
BYRY (9) IN 12
BYRY (8) IN 11
BYRY (7) IN 10
BYRY (6) IN 9
BYRY (5) IN 8
BYRY (4) IN 7
BYRY (3) IN 6
BYRY (2) IN 5
BYRY (1) IN 4
BYRY (0) IN 3
DGND 2
+3.1V IN 1
CONNECTED TO MB-785, CN114
R802 10k
RB801 47
RB802 47
RB803 47
IC802 TC74VHC574FS (EL)
IC803 TC74VHC574FS (EL)
CLK
GND
8Q 7Q 6Q 5Q 4Q 3Q 2Q 1Q
8D 7D 6D 5D 4D 3D 2D 1D
VCC
OC
802
803
C801 0.1
C802 0.1
C803 47 6.3V TA-C
IC801 TC7SH00FU-TE85R
801
R801 47
RB804 10k
RB805 10k
L801 100μH
FB801
CN804
LI BATTERY IN 1
LI BATTERY GND 2
W701
1 LI BATTERY OUT
2 LI BATTERY GND
BT701
BP-30
1
2
3
4
5

A B C D E F G H


A
EP-GW
1
2
3
4
5
6
A
B
C
D
E
F
G

MB-785 -A SIDE-

1-668-606-12

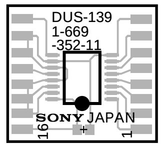

B
MB-785
1-668-606-11
A-8317-669-A
SONY
MADE IN JAPAN
EP-GW
1
2
3
4
5
6
A
B
C
D
E
F
G

MB-785 -B SIDE-

1-668-606-12

*: B SIDE

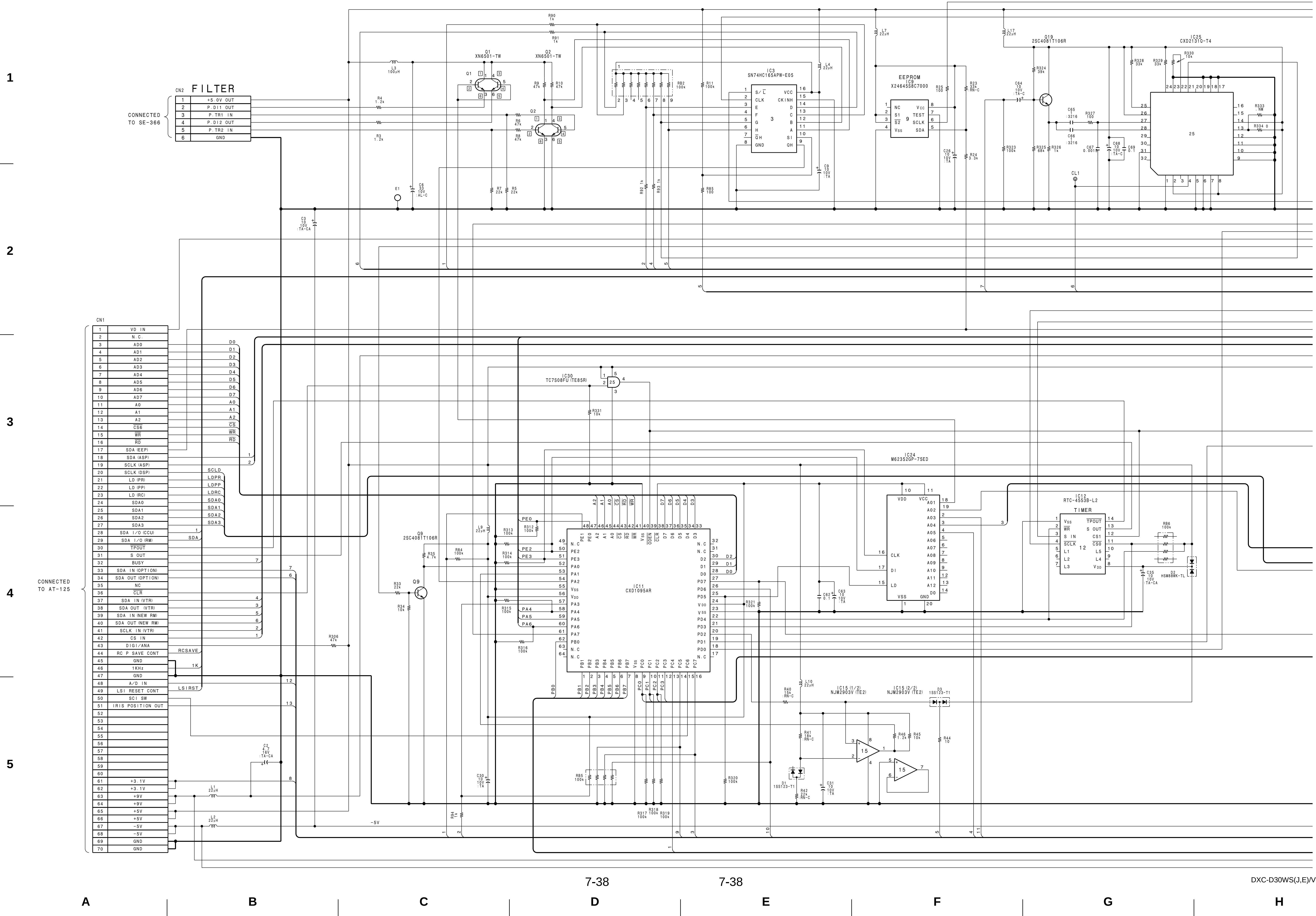
CN1	*D2
CN2	*B4
CN101	C2
CN102	C3
CN103	*E1
CN104	D4
CN105	*C4
CN106	*C4
CN107	*D4
CN108	*E4
CN109	D4
CN110	D5
CN111	E5
CN112	*C6
CN113	*D6
CN114	*E6
CN116	E6
CN117	*F6
CN118	*G1
CN119	*G5
CN120	*G6
CN121	*G4
CN122	*F3
CN123	*E4
CV1	*E4
CV3	*E4
D1	F2
D2	F2
D3	F2
D5	*C2
D6	C1
D7	C1
D8	C1
D9	F3
D10	F3
E1	*D4
FB102	G2
FB103	G2
FB104	G1
FB105	G1
FB106	G1
FB107	G1
FB109	G1
FB110	G1
FB114	G5
FB115	G5
FB116	G4
FB117	G4
FB118	G4
FB119	G4
FB120	G5
FB121	G4
FB122	G4
FB123	G3
FB124	G4
IC1	E2
IC2	E2
IC3	*C3
IC6	*D2
IC9	*D1
IC10	D1
IC11	D3
IC12	*F2
IC13	*E3
IC15	F2
IC16	*C2
IC17	*C1
IC18	*G3
IC21	E3
IC22	E1
IC24	E3
IC25	C5
IC26	E2
IC27	*E3
IC28	*E3
IC29	*F3
IC30	E2
IC102	C6
IC201	A6
IC202	*A5
IC203	*B4
IC204	*A5
IC205	A6
L1	F3
L2	D3
L3	*C3
L4	*C3
L7	*D1
L8	D1
L9	E3
L10	F2
L11	*E3
L12	*E2
L13	*C2
L14	*F4
L15	*F5
L16	*C3
L17	C5
L18	E3
L101	*D6
L102	*E6
L103	*E6
Q1	*B3
Q2	*C3
Q5	E1
Q6	E1
Q7	E2
Q8	E1
Q9	E2
Q10	C2
Q11	*C2
Q12	F3
Q13	F3
Q14	F3
Q15	*C3
Q16	E3
Q17	C3
Q18	F2
Q19	*C6
Q101	D5
Q102	D6
Q103	*F6
Q201	A6
Q202	A6
RB2	*C2
RB4	D1
RB5	*D3
RB6	F2
RB7	*E2
RB9	E2
RB10	*C6
RB11	E3
RV201	*A6


DUS-139
1-669
-352-11
SONY JAPAN
1
16

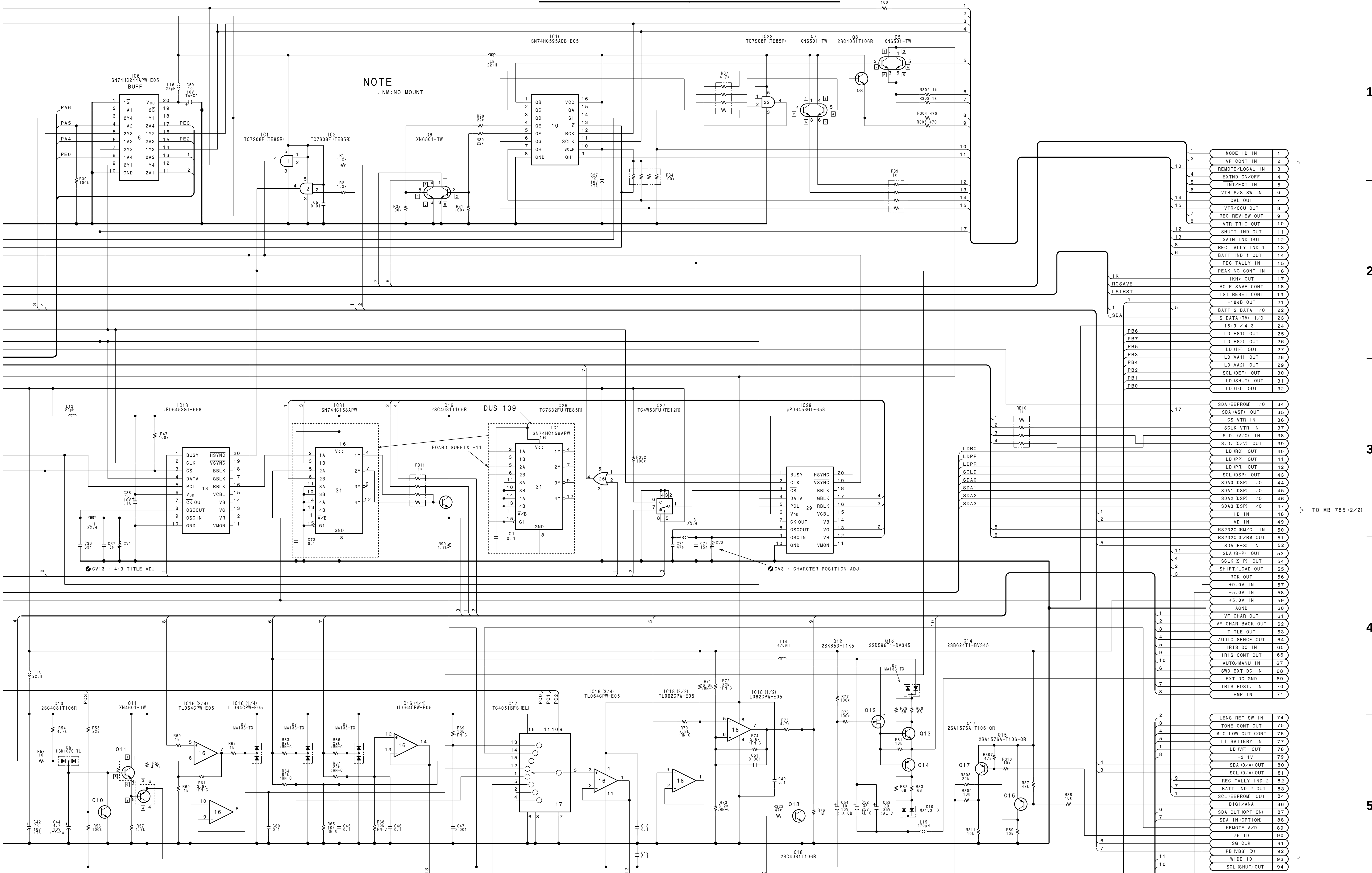
DUS-139

1-669-352-11

DUS-139 MB-785 (1/2) MB-785 (1/2) DUS-139

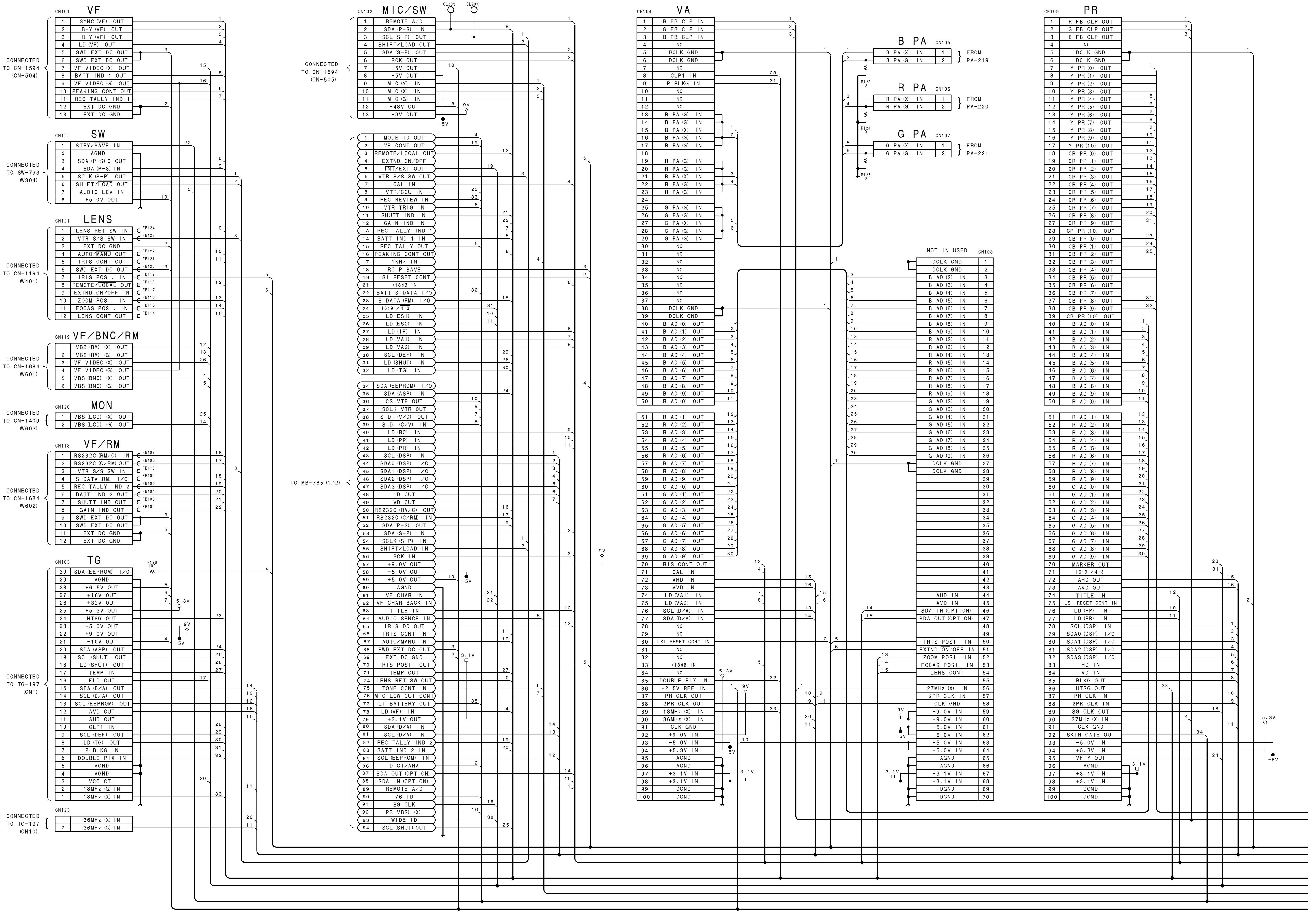


CN2 FILTER
1 +5.0V OUT
2 P.DI1 OUT
3 P.TR1 IN
4 P.DI2 OUT
5 P.TR2 IN
6 GND
CONNECTED TO SE-366
Q1 XN6501-TW
Q2 XN6501-TW
IC3 SN74HC165APW-E05
EEPROM IC9 X24645S8C7000
Q19 2SC4081T106R
IC25 CXD2131Q-T4
CL1
E1
CN1
1 VD IN
2 N.C
3 AD0
4 AD1
5 AD2
6 AD3
7 AD4
8 AD5
9 AD6
10 AD7
11 A0
12 A1
13 A2
14 CS6
15 WR
16 RD
17 SDA (EEP)
18 SDA (ASP)
19 SCLK (ASP)
20 SCLK (DSP)
21 LD (PR)
22 LD (PP)
23 LD (RC)
24 SDA0
25 SDA1
26 SDA2
27 SDA3
28 SDA I/O (CCU)
29 SDA I/O (RM)
30 TPOUT
31 S OUT
32 BUSY
33 SDA IN (OPTION)
34 SDA OUT (OPTION)
35 NC
36 CLR
37 SDA IN (VTR)
38 SDA OUT (VTR)
39 SDA IN (NEW RM)
40 SDA OUT (NEW RM)
41 SCLK IN (VTR)
42 CS IN
43 DIGI/ANA
44 RC P SAVE CONT
45 GND
46 1KHz
47 GND
48 A/D IN
49 LSI RESET CONT
50 SCI SW
51 IRIS POSITION OUT
61 +3.1V
62 +3.1V
63 +9V
64 +9V
65 +5V
66 +5V
67 -5V
68 -5V
69 GND
70 GND
CONNECTED TO AT-125
IC30 TC7S08FU (TE85R)
Q9 2SC4081T106R
IC11 CXD1095AR
IC24 M62352GP-75ED
IC12 RTC-4553B-L2 TIMER
D2 HSM88WK-TL
IC15 (1/2) NJM2903V (TE2)
IC15 (2/2) NJM2903V (TE2)
D3 1SS123-T1
D1 1SS123-T1
-5V
1 2 3 4 5
A B C D E F G H

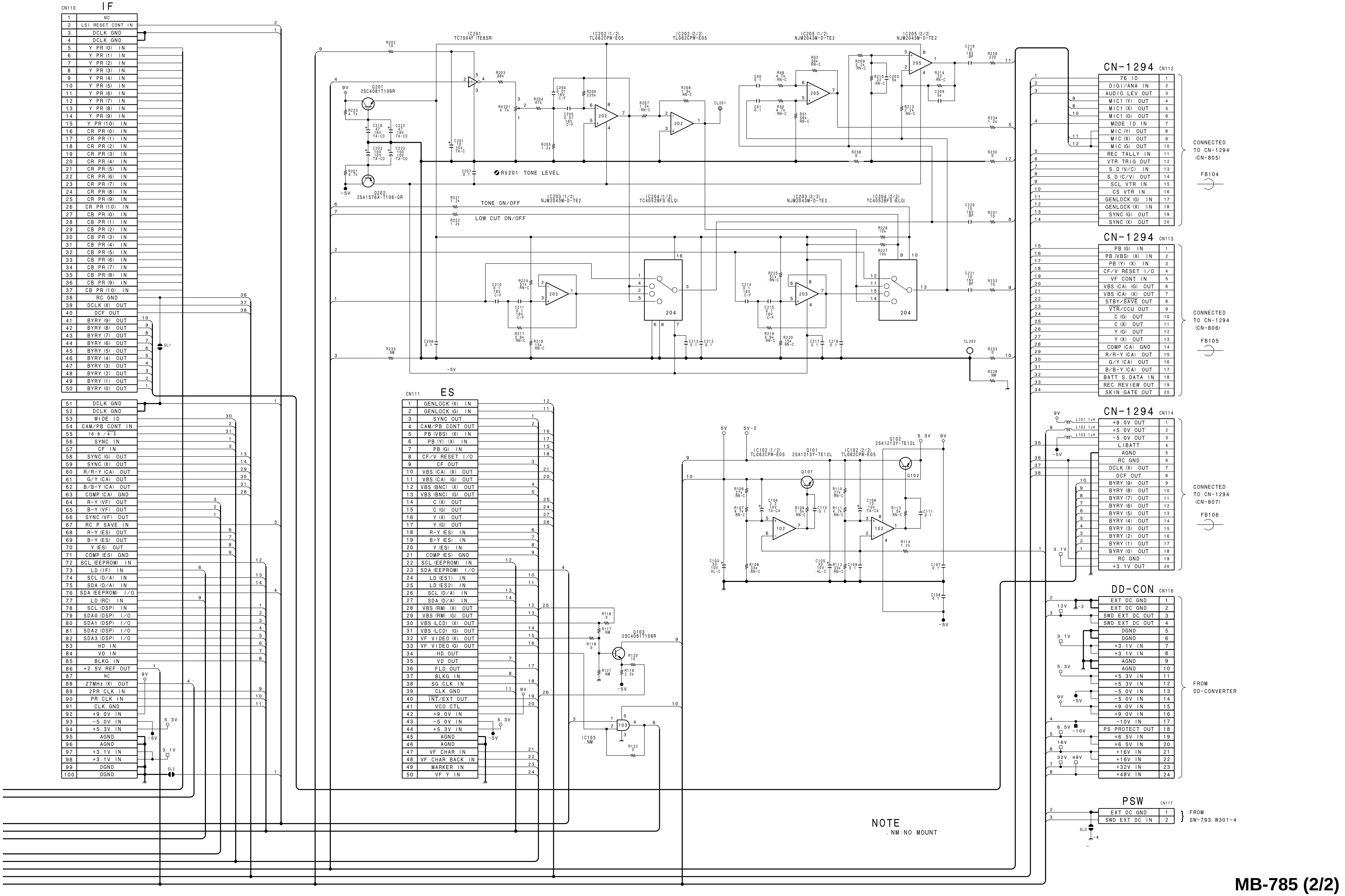

IC6 SN74HC244APW-E05 BUFF
IC1 TC7S08F (TE85R)
IC2 TC7S08F (TE85R)
Q6 XN6501-TW
NOTE
. NM:NO MOUNT
IC10 SN74HC595ADB-E05
IC22 TC7S08F (TE85R)
Q7 XN6501-TW
Q8 2SC4081T106R
Q5 XN6501-TW
IC13 μPD6453GT-658
IC31 SN74HC158APW
Q16 2SC4081T106R
DUS-139
IC26 TC7S32FU (TE85R)
IC1 SN74HC158APW
IC27 TC4W53FU (TE12R)
IC29 μPD6453GT-658
BOARD SUFFIX -11
CV13 : 4:3 TITLE ADJ.
CV3 : CHARCTER POSITION ADJ.
Q10 2SC4081T106R
Q11 XN4601-TW
D5 HSM107S-TL
IC16 (2/4) TL064CPW-E05
IC16 (1/4) TL064CPW-E05
IC16 (4/4) TL064CPW-E05
IC17 TC4051BFS (EL)
IC16 (3/4) TL064CPW-E05
IC18 (2/2) TL062CPW-E05
IC18 (1/2) TL062CPW-E05
Q12 2SK853-T1K5
Q13 2SD596T1-DV345
Q14 2SB624T1-BV345
D9 MA133-TX
D10 MA133-TX
Q17 2SA1576A-T106-QR
Q15 2SA1576A-T106-QR
Q18 2SC4081T106R
TO MB-785 (2/2)
MODE ID IN 1
VF CONT IN 2
REMOTE/LOCAL IN 3
EXTND ON/OFF 4
INT/EXT IN 5
VTR S/S SW IN 6
CAL OUT 7
VTR/CCU OUT 8
REC REVIEW OUT 9
VTR TRIG OUT 10
SHUTT IND OUT 11
GAIN IND OUT 12
REC TALLY IND 1 13
BATT IND 1 OUT 14
REC TALLY IN 15
PEAKING CONT IN 16
1KHz OUT 17
RC P SAVE CONT 18
LSI RESET CONT 19
+18dB OUT 21
BATT S.DATA I/O 22
S.DATA (RM) I/O 23
16:9 / 4:3 24
LD (ES1) OUT 25
LD (ES2) OUT 26
LD (IF) OUT 27
LD (VA1) OUT 28
LD (VA2) OUT 29
SCL (DEF) OUT 30
LD (SHUT) OUT 31
LD (TG) OUT 32
SDA (EEPROM) I/O 34
SDA (ASP) OUT 35
CS VTR IN 36
SCLK VTR IN 37
S.D. (V/C) IN 38
S.D. (C/V) OUT 39
LD (RC) OUT 40
LD (PP) OUT 41
LD (PR) OUT 42
SCL (DSP) OUT 43
SDA0 (DSP) I/O 44
SDA1 (DSP) I/O 45
SDA2 (DSP) I/O 46
SDA3 (DSP) I/O 47
HD IN 48
VD IN 49
RS232C (RM/C) IN 50
RS232C (C/RM) OUT 51
SDA (P-S) IN 52
SDA (S-P) OUT 53
SCLK (S-P) OUT 54
SHIFT/LOAD OUT 55
RCK OUT 56
+9.0V IN 57
-5.0V IN 58
+5.0V IN 59
AGND 60
VF CHAR OUT 61
VF CHAR BACK OUT 62
TITLE OUT 63
AUDIO SENCE OUT 64
IRIS DC IN 65
IRIS CONT OUT 66
AUTO/MANU IN 67
SWD EXT DC IN 68
EXT DC GND 69
IRIS POSI. IN 70
TEMP IN 71
LENS RET SW IN 74
TONE CONT OUT 75
MIC LOW CUT CONT 76
LI BATTERY IN 77
LD (VF) OUT 78
+3.1V 79
SDA (D/A) OUT 80
SCL (D/A) OUT 81
REC TALLY IND 2 82
BATT IND 2 OUT 83
SCL (EEPROM) OUT 84
DIGI/ANA 86
SDA OUT (OPTION) 87
SDA IN (OPTION) 88
REMOTE A/D 89
76 ID 90
SG CLK 91
PB (VBS) (X) 92
WIDE ID 93
SCL (SHUT) OUT 94
1
2
3
4
5

MB-785 (1/2)

B-DXCD30WS-MB785/M


CN101 VF
CONNECTED TO CN-1594 (CN-504)
CN122 SW
CONNECTED TO SW-793 (W304)
CN121 LENS
CONNECTED TO CN-1194 (W401)
CN119 VF/BNC/RM
CONNECTED TO CN-1684 (W601)
CN120 MON
CONNECTED TO CN-1409 (W603)
CN118 VF/RM
CONNECTED TO CN-1684 (W602)
CN103 TG
CONNECTED TO TG-197 (CN1)
CN123
CONNECTED TO TG-197 (CN10)
CN102 MIC/SW
CONNECTED TO CN-1594 (CN-505)
TO MB-785 (1/2)
CL203
CL204
CN104 VA
B PA CN105 FROM PA-219
R PA CN106 FROM PA-220
G PA CN107 FROM PA-221
NOT IN USED CN108
CN109 PR
1
2
3
4
5
A
B
C
D
E
F
G
H

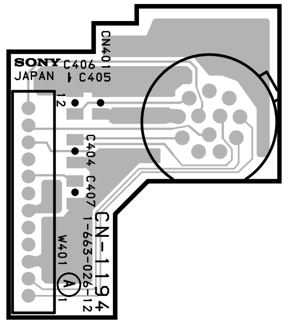
http://getMANUAL.com


CN110 IF
1 NC
2 LSI RESET CONT IN
3 DCLK GND
4 DCLK GND
5 Y PR (0) IN
6 Y PR (1) IN
7 Y PR (2) IN
8 Y PR (3) IN
9 Y PR (4) IN
10 Y PR (5) IN
11 Y PR (6) IN
12 Y PR (7) IN
13 Y PR (8) IN
14 Y PR (9) IN
15 Y PR (10) IN
16 CR PR (0) IN
17 CR PR (1) IN
18 CR PR (2) IN
19 CR PR (3) IN
20 CR PR (4) IN
21 CR PR (5) IN
22 CR PR (6) IN
23 CR PR (7) IN
24 CR PR (8) IN
25 CR PR (9) IN
26 CR PR (10) IN
27 CB PR (0) IN
28 CB PR (1) IN
29 CB PR (2) IN
30 CB PR (3) IN
31 CB PR (4) IN
32 CB PR (5) IN
33 CB PR (6) IN
34 CB PR (7) IN
35 CB PR (8) IN
36 CB PR (9) IN
37 CB PR (10) IN
38 RC GND
39 DCLK (X) OUT
40 DCF OUT
41 BYRY (9) OUT
42 BYRY (8) OUT
43 BYRY (7) OUT
44 BYRY (6) OUT
45 BYRY (5) OUT
46 BYRY (4) OUT
47 BYRY (3) OUT
48 BYRY (2) OUT
49 BYRY (1) OUT
50 BYRY (0) OUT
51 DCLK GND
52 DCLK GND
53 WIDE ID
54 CAM/PB CONT IN
55 16:9 /4:3
56 SYNC IN
57 CF IN
58 SYNC (G) OUT
59 SYNC (X) OUT
60 R/R-Y (CA) OUT
61 G/Y (CA) OUT
62 B/B-Y (CA) OUT
63 COMP (CA) GND
64 R-Y (VF) OUT
65 B-Y (VF) OUT
66 SYNC (VF) OUT
67 RC P SAVE IN
68 R-Y (ES) OUT
69 B-Y (ES) OUT
70 Y (ES) OUT
71 COMP (ES) GND
72 SCL (EEPROM) IN
73 LD (IF) IN
74 SCL (D/A) IN
75 SDA (D/A) IN
76 SDA (EEPROM) I/O
77 LD (RC) IN
78 SCL (DSP) IN
79 SDA0 (DSP) I/O
80 SDA1 (DSP) I/O
81 SDA2 (DSP) I/O
82 SDA3 (DSP) I/O
83 HD IN
84 VD IN
85 BLKG IN
86 +2.5V REF OUT
87 NC
88 27MHz (X) OUT
89 2PR CLK IN
90 PR CLK IN
91 CLK GND
92 +9.0V IN
93 -5.0V IN
94 +5.3V IN
95 AGND
96 AGND
97 +3.1V IN
98 +3.1V IN
99 DGND
100 DGND
SL1
SL2
IC201 TC7S04F (TE85R)
IC202 (1/2) TL062CPW-E05
IC202 (2/2) TL062CPW-E05
IC205 (1/2) NJM2043M-D-TE2
IC205 (2/2) NJM2043M-D-TE2
Q201 2SC4081T106R
Q202 2SA1576A-T106-QR
RV201 TONE LEVEL
TONE ON/OFF
LOW CUT ON/OFF
IC203 (1/2) NJM2043M-D-TE2
IC204 (1/2) TC4052BFS (ELQ)
IC203 (2/2) NJM2043M-D-TE2
IC204 (2/2) TC4052BFS (ELQ)
CL201
CL202
-5V
9V
CN111 ES
1 GENLOCK (X) IN
2 GENLOCK (G) IN
3 SYNC OUT
4 CAM/PB CONT OUT
5 PB (VBS) (X) IN
6 PB (Y) (X) IN
7 PB (G) IN
8 CF/V RESET I/O
9 CF OUT
10 VBS (CA) (X) OUT
11 VBS (CA) (G) OUT
12 VBS (BNC) (X) OUT
13 VBS (BNC) (G) OUT
14 C (X) OUT
15 C (G) OUT
16 Y (X) OUT
17 Y (G) OUT
18 R-Y (ES) IN
19 B-Y (ES) IN
20 Y (ES) IN
21 COMP (ES) GND
22 SCL (EEPROM) IN
23 SDA (EEPROM) I/O
24 LD (ES1) IN
25 LD (ES2) IN
26 SCL (D/A) IN
27 SDA (D/A) IN
28 VBS (RM) (X) OUT
29 VBS (RM) (G) OUT
30 VBS (LCD) (X) OUT
31 VBS (LCD) (G) OUT
32 VF VIDEO (X) OUT
33 VF VIDEO (G) OUT
34 HD OUT
35 VD OUT
36 FLD OUT
37 BLKG IN
38 SG CLK IN
39 CLK GND
40 INT/EXT OUT
41 VCO CTL
42 +9.0V IN
43 -5.0V IN
44 +5.3V IN
45 AGND
46 AGND
47 VF CHAR IN
48 VF CHAR BACK IN
49 MARKER IN
50 VF Y IN
Q103 2SC4081T106R
IC103 NM
IC102 (1/2) TL062CPW-E05
Q101 2SA1213Y-TE12L
IC102 (2/2) TL062CPW-E05
Q102 2SA1213Y-TE12L
5V
5V-2
5.3V
CN-1294 CN112
1 76 ID
2 DIGI/ANA IN
3 AUDIO LEV OUT
4 MIC1 (Y) OUT
5 MIC1 (X) OUT
6 MIC1 (G) OUT
7 MODE ID IN
8 MIC (Y) OUT
9 MIC (X) OUT
10 MIC (G) OUT
11 REC TALLY IN
12 VTR TRIG OUT
13 S.D (V/C) IN
14 S.D (C/V) OUT
15 SCL VTR IN
16 CS VTR IN
17 GENLOCK (G) IN
18 GENLOCK (X) IN
19 SYNC (G) OUT
20 SYNC (X) OUT
CONNECTED TO CN-1294 (CN-805)
FB104
CN-1294 CN113
1 PB (G) IN
2 PB (VBS) (X) IN
3 PB (Y) (X) IN
4 CF/V RESET I/O
5 VF CONT IN
6 VBS (CA) (G) OUT
7 VBS (CA) (X) OUT
8 STBY/SAVE OUT
9 VTR/CCU OUT
10 C (G) OUT
11 C (X) OUT
12 Y (G) OUT
13 Y (X) OUT
14 COMP (CA) GND
15 R/R-Y (CA) OUT
16 G/Y (CA) OUT
17 B/B-Y (CA) OUT
18 BATT S.DATA IN
19 REC REVIEW OUT
20 SKIN GATE OUT
CONNECTED TO CN-1294 (CN-806)
FB105
CN-1294 CN114
1 +9.0V OUT
2 +5.0V OUT
3 -5.0V OUT
4 LIBATT
5 AGND
6 RC GND
7 DCLK (X) OUT
8 DCF OUT
9 BYRY (9) OUT
10 BYRY (8) OUT
11 BYRY (7) OUT
12 BYRY (6) OUT
13 BYRY (5) OUT
14 BYRY (4) OUT
15 BYRY (3) OUT
16 BYRY (2) OUT
17 BYRY (1) OUT
18 BYRY (0) OUT
19 RC GND
20 +3.1V OUT
CONNECTED TO CN-1294 (CN-807)
FB106
L101 1µH
L102 1µH
L103 1µH
DD-CON CN116
1 EXT DC GND
2 EXT DC GND
3 SWD EXT DC OUT
4 SWD EXT DC OUT
5 DGND
6 DGND
7 +3.1V IN
8 +3.1V IN
9 AGND
10 AGND
11 +5.3V IN
12 +5.3V IN
13 -5.0V IN
14 -5.0V IN
15 +9.0V IN
16 +9.0V IN
17 -10V IN
18 PS PROTECT OUT
19 +6.5V IN
20 +6.5V IN
21 +16V IN
22 +16V IN
23 +32V IN
24 +48V IN
FROM DD-CONVERTER
12V
3.1V
6.5V
-10V
16V
32V
48V
PSW CN117
1 EXT DC GND
2 SWD EXT DC IN
FROM SW-793, W301-4
SL3
NOTE
. NM:NO MOUNT
1
2
3
4
5
I
J
K
L
M
N
O
P

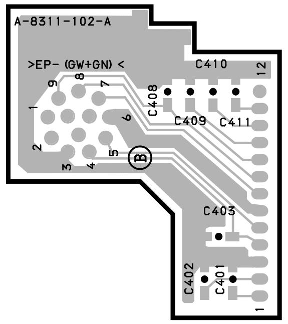
MB-785 (2/2)

B-DXCD30WS-MB785/M

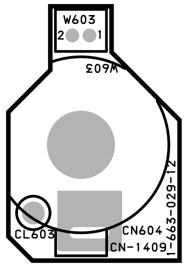
CN-1194/1409/1410/1594/1595/1684


SONY
JAPAN
CN401
C406
C405
C404
C407
W401
CN-1194
1-663-026-12
A

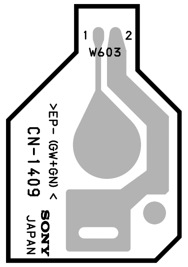
CN-1194 -A SIDE-
1-663-026-12


A-8311-102-A
>EP- (GW+GN) <
C410
C408
C409
C411
C403
C402
C401
B

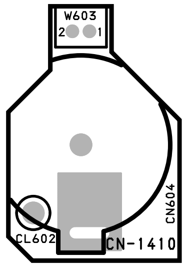
CN-1194 -B SIDE-
1-663-026-12


W603
CL603
CN604
CN-1409
1-663-029-12

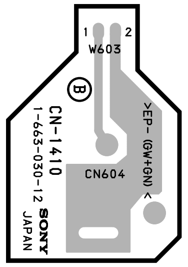
CN-1409 -A SIDE-
1-663-029-12


W603
>EP- (GW+GN) <
CN-1409
SONY
JAPAN

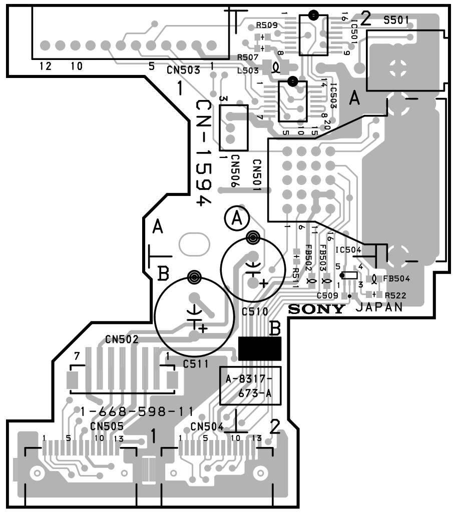
CN-1409 -B SIDE-
1-663-029-12


W603
CL602
CN604
CN-1410

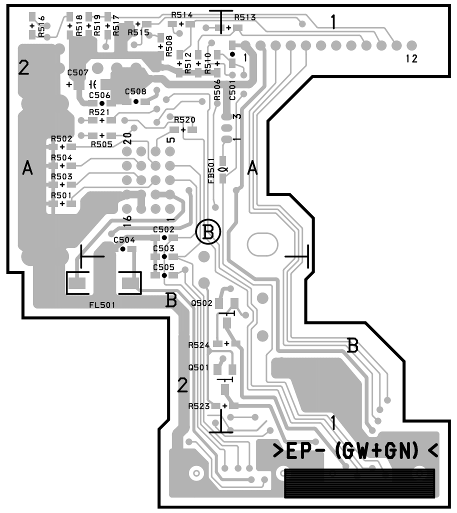
CN-1410 -A SIDE-
1-663-030-12


W603
B
CN-1410
1-663-030-12
>EP- (GW+GN) <
CN604
SONY
JAPAN

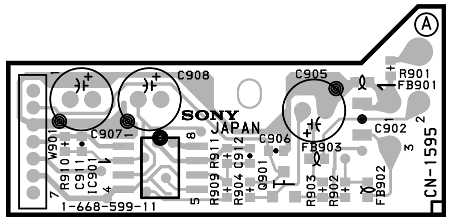
CN-1410 -B SIDE-
1-663-030-12


S501
CN503
CN-1594
CN506
A
B
C510
C511
CN502
A-8317-673-A
1-668-598-11
CN505
CN504
SONY JAPAN

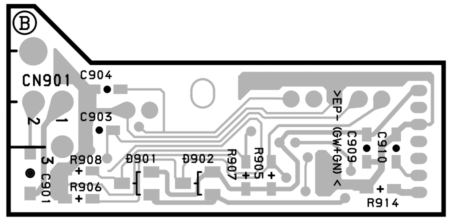
CN-1594 -A SIDE-
1-668-598-11


A
B
FL501
Q502
Q501
>EP- (GW+GN) <

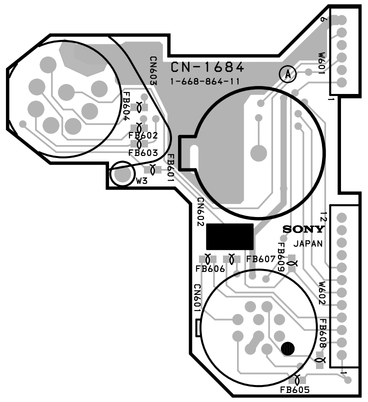
CN-1594 -B SIDE-
1-668-598-11


A
C908
C905
R901
FB901
C907
C906
FB903
C902
SONY
JAPAN
CN-1595
1-668-599-11
FB902

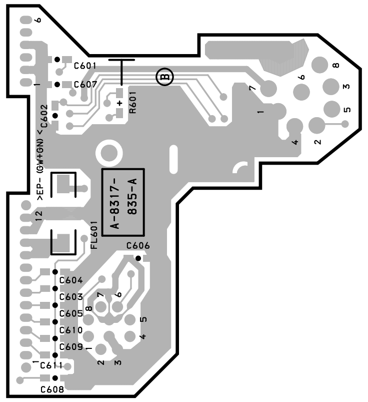
CN-1595 -A SIDE-
1-668-599-11


B
CN901
C904
C903
R908
D901
D902
R907
R906
C901
R914
>EP- (GW+GN) <

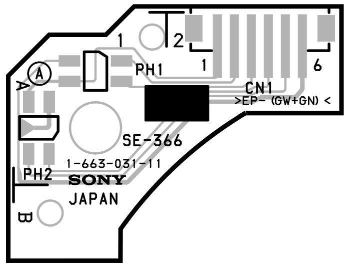
CN-1595 -B SIDE-
1-668-599-11


CN-1684
1-668-864-11
A
FB604
FB602
FB603
FB606
FB607
FB605
SONY
JAPAN

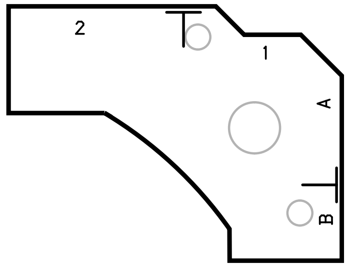
CN-1684 -A SIDE-
1-668-864-11


C601
C607
R601
B
>EP- (GW+GN) <
A-8317-855-A
FL601
C606
C604
C603
C605
C610
C609
C611
C608

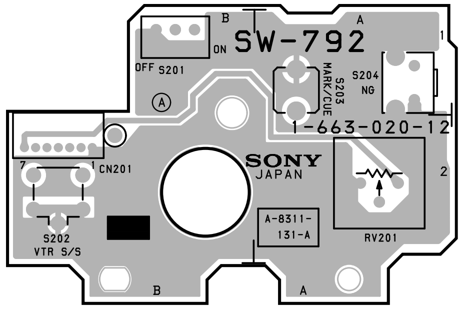
CN-1684 -B SIDE-
1-668-864-11


PH1
CN1
>EP- (GW+GN) <
SE-366
1-663-031-11
PH2
SONY
JAPAN

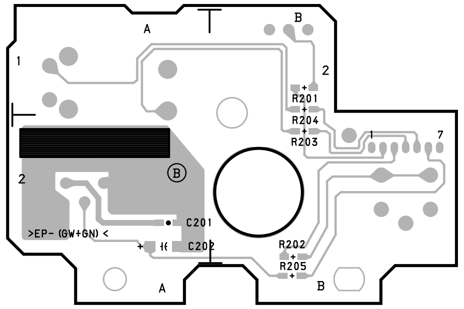
SE-366 **-A SIDE-**
1-663-031-11



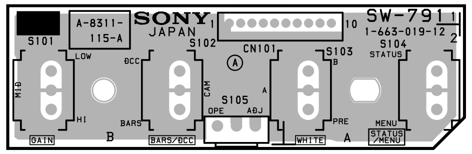
SE-366 **-B SIDE-**
1-663-031-11


SW-792
S201
S204
S203
MARK/CUE
1-663-020-12
CN201
SONY
JAPAN
S202
VTR S/S
A-8311-
131-A
RV201

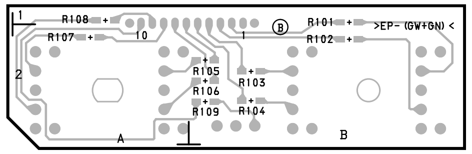
SW-792 **-A SIDE-**
1-663-020-12


R201
R204
R203
C201
C202
R202
R205
>EP- (GW+GN) <

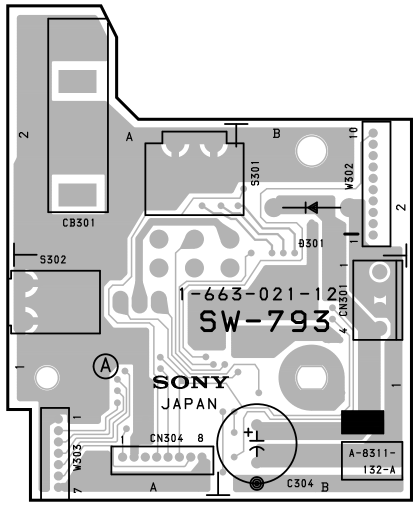
SW-792 **-B SIDE-**
1-663-020-12


A-8311-
115-A
SONY
JAPAN
SW-791
1-663-019-12
S101
S102
CN101
S103
S104
S105
GAIN
BARS/DCC
WHITE
STATUS
/MENU

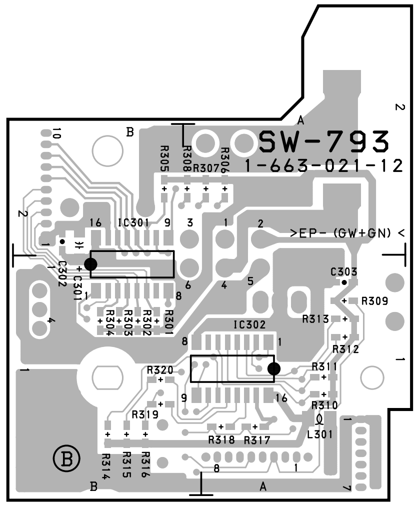
SW-791 **-A SIDE-**
1-663-019-12


R108
R107
R101
R102
>EP- (GW+GN) <
R105
R103
R106
R109
R104

SW-791 **-B SIDE-**
1-663-019-12

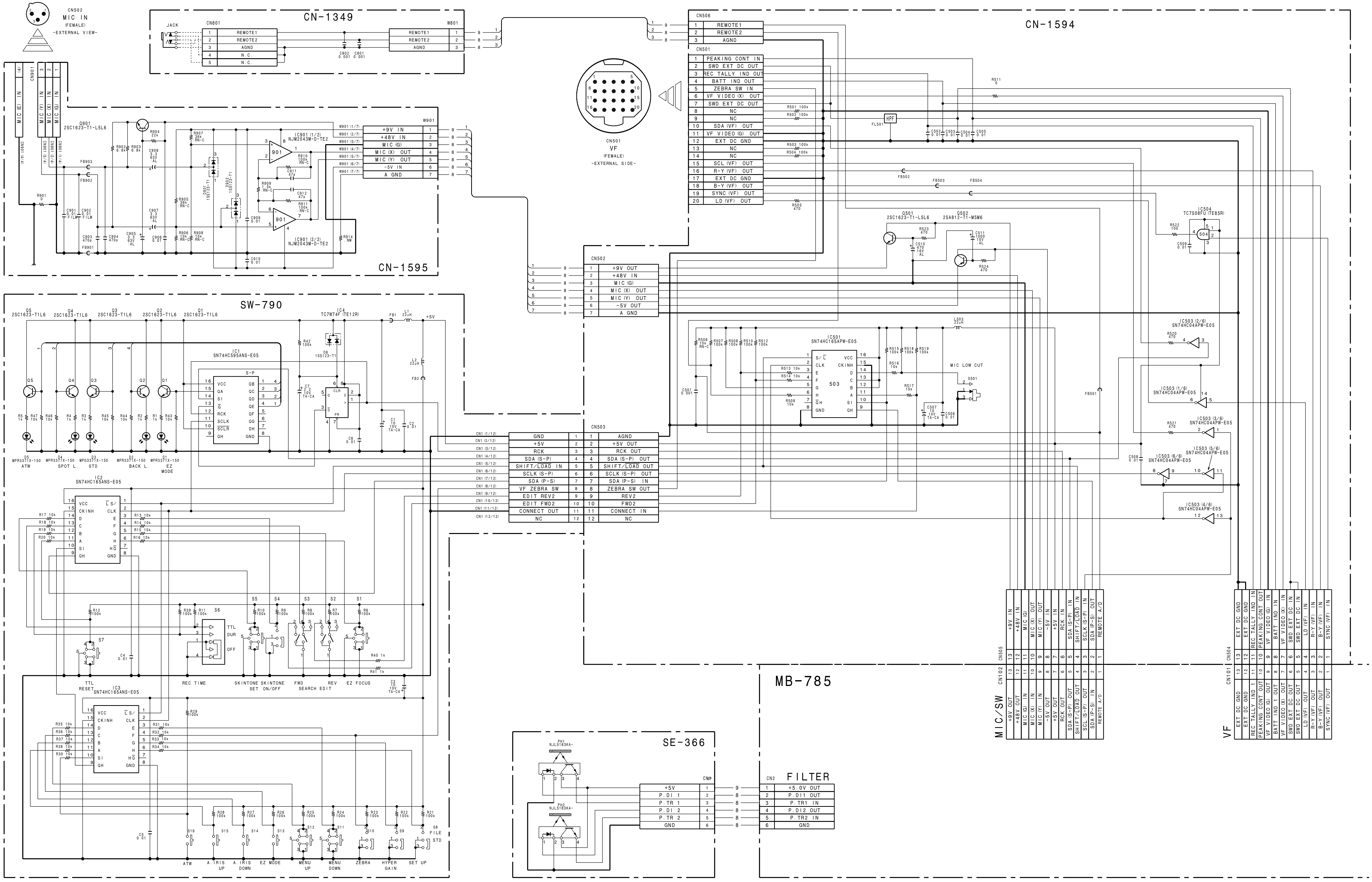

CB301
S302
S301
S302
D301
1-663-021-12
SW-793
CN301
SONY
JAPAN
CN304
C304
A-8311-
132-A
W303

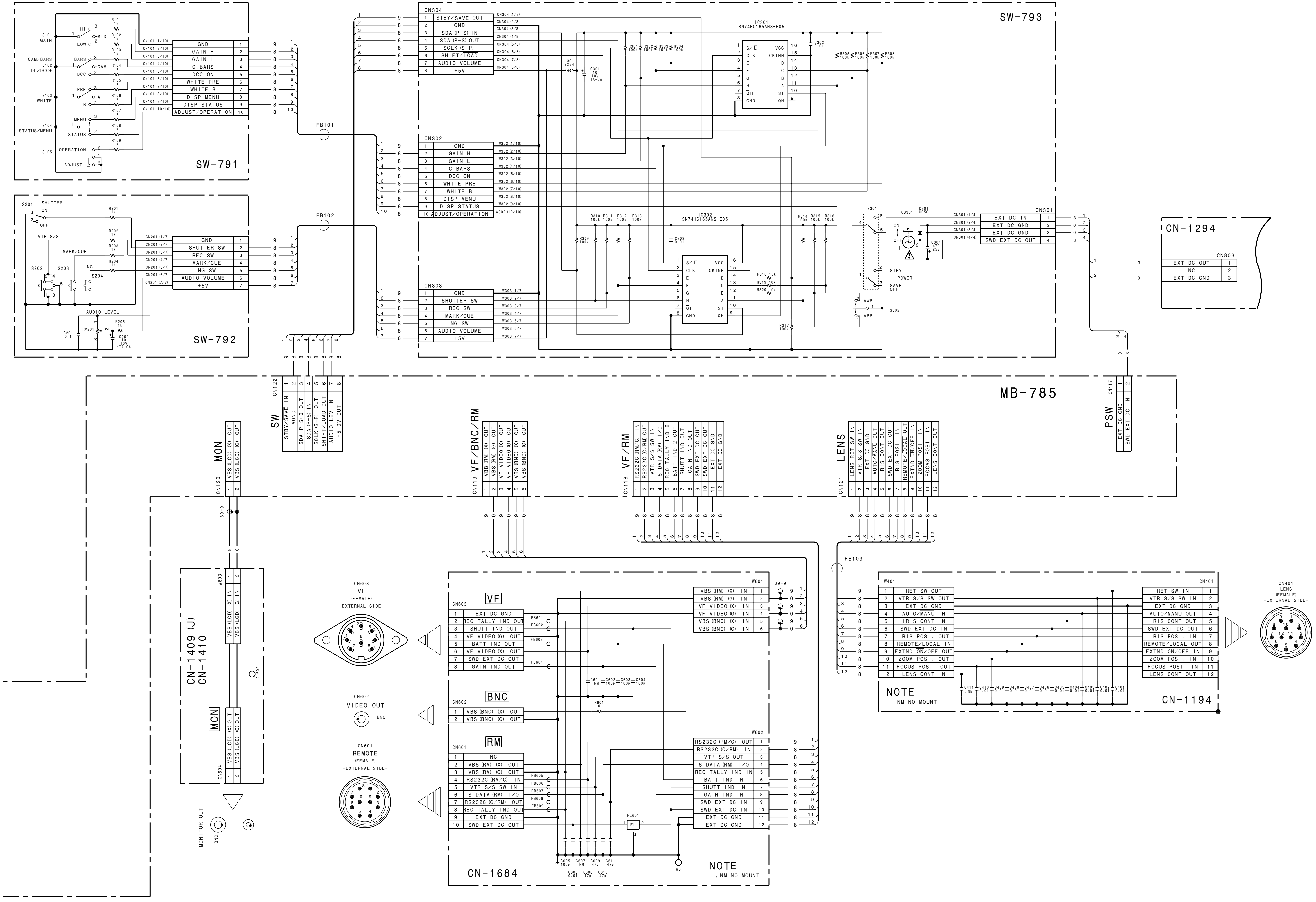
SW-793 **-A SIDE-**
1-663-021-12


SW-793
1-663-021-12
IC301
>EP- (GW+GN) <
C303
R309
IC302
R313
R312
R311
R310
L301
R320
R319
R318
R317

SW-793 **-B SIDE-**
1-663-021-12

FRAME FRAME


CN502
MIC IN
(FEMALE)
-EXTERNAL VIEW-
CN-1349
JACK
CN801
REMOTE1
REMOTE2
AGND
N.C.
W801
C802 0.001
C801 0.001
CN-1595
Q901 2SC1623-T1-L5L6
IC901 (1/2) NJM2043M-D-TE2
IC901 (2/2) NJM2043M-D-TE2
W901
+9V IN
+48V IN
MIC (G)
MIC (X) OUT
MIC (Y) OUT
-5V IN
A GND
MIC (E) IN
MIC (Y) IN
MIC (X) IN
MIC (G) IN
CN901
FB901
FB902
FB903
CN501
VF
(FEMALE)
-EXTERNAL SIDE-
CN-1594
CN506
CN501
PEAKING CONT IN
SWD EXT DC OUT
REC TALLY IND OUT
BATT IND OUT
ZEBRA SW IN
VF VIDEO (X) OUT
SWD EXT DC OUT
NC
SDA (VF) OUT
VF VIDEO (G) OUT
EXT DC GND
SCL (VF) OUT
R-Y (VF) OUT
EXT DC GND
B-Y (VF) OUT
SYNC (VF) OUT
LD (VF) OUT
FL501
HPF
Q501 2SC1623-T1-L5L6
Q502 2SA812-T1-M5M6
IC504 TC7S08FU (TE85R)
CN502
+9V OUT
+48V IN
MIC (G)
MIC (X) OUT
MIC (Y) OUT
-5V OUT
A GND
IC501 SN74HC165APW-E05
MIC LOW CUT
S501
IC503 (1/6) SN74HC04APW-E05
IC503 (2/6) SN74HC04APW-E05
IC503 (3/6) SN74HC04APW-E05
IC503 (4/6) SN74HC04APW-E05
IC503 (5/6) SN74HC04APW-E05
IC503 (6/6) SN74HC04APW-E05
FB501
SW-790
Q5 2SC1623-T1L6
Q4 2SC1623-T1L6
Q3 2SC1623-T1L6
Q2 2SC1623-T1L6
Q1 2SC1623-T1L6
IC4 TC7W74F (TE12R)
IC1 SN74HC595ANS-E05
D6 1SS123-T1
D5 MPR3371X-150 ATW
D4 MPR3371X-150 SPOT L.
D3 MPG3371X-150 STD
D2 MPR3371X-150 BACK L.
D1 MPR3371X-150 EZ MODE
IC2 SN74HC165ANS-E05
IC3 SN74HC165ANS-E05
S7 TTL RESET
S6 REC TIME TTL DUR OFF
S5 SKINTONE SET
S4 SKINTONE ON/OFF
S3 FWD SEARCH
S2 REV EDIT
S1 EZ FOCUS
CN503
GND
+5V
RCK
SDA (S-P)
SHIFT/LOAD IN
SCLK (S-P)
SDA (P-S)
VF ZEBRA SW
EDIT REV2
EDIT FWD2
CONNECT OUT
NC
AGND
+5V OUT
RCK OUT
SDA (S-P) OUT
SHIFT/LOAD OUT
SCLK (S-P) OUT
SDA (P-S) IN
ZEBRA SW OUT
REV2
FWD2
CONNECT IN
S16 ATW
S15 A.IRIS UP
S14 A.IRIS DOWN
S13 EZ MODE
S12 MENU UP
S11 MENU DOWN
S10 ZEBRA
S9 HYPER GAIN
S8 SET UP FILE STD
SE-366
PH1 NJL5183KA-
PH2 NJL5183KA-
CN1
+5V
P.DI 1
P.TR 1
P.DI 2
P.TR 2
GND
CN2
FILTER
+5.0V OUT
P.DI1 OUT
P.TR1 IN
P.DI2 OUT
P.TR2 IN
GND
MB-785
CN505
CN102
MIC/SW
+9V IN
+48V IN
MIC (G)
MIC (X) OUT
MIC (Y) OUT
-5V IN
+5V IN
RCK IN
SDA (S-P) IN
SHIFT/LOAD IN
SCLK (S-P) IN
SDA (P-S) OUT
REMOTE A/D
CN504
CN101
VF
EXT DC GND
REC TALLY IND IN
PEAKING CONT OUT
VF VIDEO (G) IN
BATT IND IN
VF VIDEO (X) IN
SWD EXT DC IN
LD (VF) IN
R-Y (VF) IN
B-Y (VF) IN
SYNC (VF) IN
1
2
3
4
5
A
B
C
D
E
F
G
H


SW-791
SW-792
SW-793
MB-785
CN-1294
CN-1684
CN-1194
CN-1409 (J)
CN-1410
SW
MON
VF/BNC/RM
VF/RM
LENS
PSW
VF
BNC
RM
IC301 SN74HC165ANS-E05
IC302 SN74HC165ANS-E05
CN603 VF (FEMALE) -EXTERNAL SIDE-
CN602 VIDEO OUT
CN601 REMOTE (FEMALE) -EXTERNAL SIDE-
CN401 LENS (FEMALE) -EXTERNAL SIDE-
MONITOR OUT
NOTE , NM:NO MOUNT
FB101
FB102
FB103

FRAME

CN-1194
CN-1294
CN-1349
CN-1409 (J)
CN-1410
CN-1594
CN-1595
CN-1684
MB-785
SE-366
SW-790
SW-791
SW-792
SW-793

B-DXCD30WS-FRAME/M

gM

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